

data search on vcm for craig elgut
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Item 1

ACCESSION NUMBER 4188
FILE LOCATION GEN
DOCUMENT TYPE CORR
TITLE OR SUBJECT DOM CHEMICAL COMPANY'S COMMENTS ON THE CARB 1990 DRAFT TECHNICAL SUPPORT DOCUMENT "PROPOSED IDENTIFICATION OF VINYL CHLORIDE AS A TOXIC AIR CONTAMINANT"
AUTHOR/AFFILIATION HANKINS NC,DOM CHEM;
ORIGIN DOM CHEM,TO BARBARA COOK CARB;
DATE 1990, JULY 3
DESCRIPTORS ***** VCM;CANCER;RISK ASSESSMENT;HUMAN;EFFECTS;
HELD TERMS ANIMAL;
REVIEW YEAR 1995

Item 2

ACCESSION NUMBER 4165
FILE LOCATION gen
DOCUMENT TYPE report
TITLE OR SUBJECT PROPOSED IDENTIFICATION OF VINYL CHLORIDE AS A TOXIC AIR CONTAMINANT: DRAFT REPORTS PART A-C
AUTHOR/AFFILIATION NONE,NONE;
ORIGIN NONE;
DATE 1990, MAY
DESCRIPTORS ***** VINYL CHLORIDE;AIR;DETERMINATION;EFFECTS;TOXICITY;
HELD TERMS CALIFORNIA AIR RESOURCES BOARD;
REVIEW YEAR 1995

Item 3

ACCESSION NUMBER 4103
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT BUA REPORT ON VINYL CHLORIDE
AUTHOR/AFFILIATION NONE,NONE;
ORIGIN CMA,TO R.K.HINDERER(BFG);
DATE 1989, DECEMBER 28
ABSTRACT ECOLOGICAL ASPECTS OF THE PRODUCTION, ENTRY INTO, OCCURRENCE AND DISTRIBUTION OF VCM IN THE ENVIRONMENT.
DESCRIPTORS ***** VCM;INHALATION;ORAL;EFFECTS;TERATOGEN;
REVIEW YEAR 1995

Item 4

ACCESSION NUMBER 4102
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT RECOMMENDATION FOR THE REVISION OF THE AMBIENT AIR GUIDELINE FOR VINYL CHLORIDE

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AUTHOR/AFFILIATION PARK C,DOM CHEMICAL CO;
 ORIGIN DOM CHEMICAL CO,TO ONTARIO MINISTRY OF THE ENVIRONMENT(DR.M.LUSIS);
 DATE 1989, AUGUST 30
 ABSTRACT FOUR CONCERNS NEED TO BE ADDRESSED IF DOCUMENT IS TO BE USED AS A BASIS FOR REGULATION. THE CONCERNS ARE AS FOLLOWS:LACK OF DISCUSSION ON INCORPORATION OF LOW-DOSE PHARMACOKINETIC (PK) INFO; LACK OF DISCUSSION OF RISK ESTIMATES THAT HAVE BEEN DERIVED FROM EPIDEMIOLOGY DATA;INTERNAL INCONSISTENCIES IN THE REPORTING OF AMBIENT CONCENTRATION OF VCM IN COMPARISON TO EMISSION LEVELS AND POTENTIAL HUMAN RESULTS.
 DESCRIPTORS ***** VCM;CAS.NO.75-01-4;EPIDEMIOLOGY;RISK ASSESSMENT;AIR SAMPLING;
 REVIEW YEAR 1993

Item 5

ACCESSION NUMBER 4085
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT MORTALITY AND CANCER INCIDENCE RESULTS OF THE EUROPEAN MULTI-CENTRIC COHORT STUDY OF WORKERS EMPLOYED IN THE VINYL CHLORIDE INDUSTRY.
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN IARC;
 DATE 1989
 ABSTRACT CONTAINS INTRODUCTION AND DISCUSSION AND CONCLUSIONS.
 DESCRIPTORS ***** VCM;EPIDEMIOLOGY;HUMAN;EFFECTS;CANCER;MORTALITY;ANGIOSARCOMA
 REVIEW YEAR 1998

Item 6

ACCESSION NUMBER 4070
 FILE LOCATION GEN
 DOCUMENT TYPE CORRESPONDENCE
 TITLE OR SUBJECT COMMENTS OF THE VINYL INSTITUTE ON ATSDR'S TOXICOLOGICAL PROFILE FOR VINYL CHLORIDE.
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN NONE,TO EPA;
 DATE 1988
 DESCRIPTORS ***** VCM;EPA;ACUTE;TOXICITY;CHRONIC;CANCER;MUTAGENICITY;BIRTH DEFECTS
 HELD TERMS VINYL INSTITUTE;
 COMMENTS RKH(90) SEE ANN3337
 REVIEW YEAR 1998

Item 7

ACCESSION NUMBER 4069
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT HEALTH EFFECTS IN CHILDREN EXPOSED TO VINYL CHLORIDE: FINAL REPORT
 AUTHOR/AFFILIATION ZISKIND RA,NONE;SMITH D,NONE;SPIVEY G,NONE;ROGOZEN H,NONE;
 ORIGIN NONE,FOR EPA CONTRACT NO.68-2986;
 DATE 1981, JANUARY
 DESCRIPTORS ***** VCM;EFFECTS;AIR SAMPLING;OCCUPATIONAL EXPOSURE;DISEASE;REPRODUCTION;
 HELD TERMS SCIENCE APPLICATIONS INC;

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Item 8

ACCESSION NUMBER 4068
FILE LOCATION GEN
DOCUMENT TYPE PAPER
TITLE OR SUBJECT REVIEW OF FINAL REPORT ON "HEALTH EFFECTS IN CHILDREN EXPOSED TO VINYL CHLORIDE"
AUTHOR/AFFILIATION WILSON R, HARVARD UNIV;
ORIGIN NONE, FOR EPA REFERENCE NO. SA1-068-81-569;
DATE 1981, JUNE 18
DESCRIPTORS ***** EFFECTS; VCM;
HELD TERMS SAUGUS ELEMENTARY SCHOOL;
KNIC INDEX NUMBER 05215
REVIEW YEAR 1996

Item 9

ACCESSION NUMBER 4061
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CUTANEOUS HAEMANGIOENDOTHELIOMA: A POSSIBLE LINK WITH CHRONIC EXPOSURE TO VINYL CHLORIDE.
AUTHOR/AFFILIATION DAVIES MFP, NONE; CURTIS M, NONE; HOWAT JMT, NONE;
ORIGIN BRITISH J OF INDUSTRIAL MEDICINE, VOL 47 NO.1 PP.65-67;
DATE 1990
DESCRIPTORS ***** VCM; CANCER; HUMAN; EFFECTS; PVC;
HELD TERMS HAEMANGIOENDOTHELIOMA;
REVIEW YEAR 1998

Item 10

ACCESSION NUMBER 4047
FILE LOCATION GEN
DOCUMENT TYPE CORRESPONDENCE
TITLE OR SUBJECT SUMMARY AND FINAL STATUS REPORT OF CMA VINYL CHLORIDE PANEL ACTIVITIES.
AUTHOR/AFFILIATION GAFFEY MR, NONE;
ORIGIN MONSANTO, M.R. GAFFNEY TO SUSAN HOME (CMA);
DATE 1989
ABSTRACT FURTHER WORK TO RESOLVE THE POSSIBILITY OF MISDIAGNOSIS OF 37 DEATHS TO DETERMINE WHETHER THEY WERE ACTUALLY LIVER AND BILIARY CANCER OR ANGIOSARCOMA IS NOT FEASIBLE.
DESCRIPTORS ***** VCM; HUMAN; EFFECTS; CANCER; EPIDEMIOLOGY; ANGIOSARCOMA; LIVER;
HELD TERMS BILIARY;
REVIEW YEAR 1998

Item 11

ACCESSION NUMBER 4004
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CLINICAL MANIFESTATIONS IN VINYL CHLORIDE POISONING

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AUTHOR/AFFILIATION SUCIU I,NONE;PRODAN L,NONE;ILEA E,NONE;PADURARU A,NONE;PASCU L,NONE;
 ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,PP.53-69,
 DATE 1970
 ABSTRACT IN THE 72 CASES ADMITTED TO THE CLINIC THERE WERE 27 POSITIVE HEPATIC TESTS, WITH GOT AND GPT
 OVER NORMAL IN 18 CASES. BSP(BROMOSULFONPHTHALEIN) IN 22 FROM 26 CASES HAD A RETENTION OVER 5 %.
 THE PROTEINOGRAM MODIFICATIONS WERE OF THE ACUTE AND SUBACUTE TYPE. HEPATIC BIOPSY SHOWED CHRONIC
 HEPATITIS IN 3 CASES.
 DESCRIPTORS ***** VCM;POISONING;OCCUPATIONAL EXPOSURE;ACUTE;SUBACUTE;HEPATITIS;
 KNIC INDEX NUMBER 05120
 REVIEW YEAR 1996

Item 12

ACCESSION NUMBER 4003
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT TWO POSSIBLE CASES OF ANGIOSARCOMA OF THE LIVER IN A GROUP OF SWEDISH VINYL CHLORIDE-POLYVINYL
 CHLORIDE WORKERS
 AUTHOR/AFFILIATION BYREN D,NONE;HOLMBERG B,NONE;
 ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,PP.249-250,
 DATE 1974
 ABSTRACT RECENT (JULY 1974) EXAMINATION OF THE PATHOLOGIC SPECIMENS BY TUMOR SPECIALISTS HAS CONFIRMED
 THE DIAGNOSIS OF HEMANGIOSARCOMA OF THE LIVER IN BOTH CASES. IN CASE 2 HOWEVER, THERE IS A
 PROBABLE COEXISTENCE OF A HEPATOCELLULAR CANCER OF BOTH LOW AND HIGH DIFFERENTIATED TYPE.
 DESCRIPTORS ***** VCM;PVC;ANGIOSARCOMA;LIVER;CANCER;OCCUPATIONAL EXPOSURE;
 KNIC INDEX NUMBER 05122
 REVIEW YEAR 1996

Item 13

ACCESSION NUMBER 4002
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT INTERIM RESULTS OF EXPOSURE OF RATS, HAMSTERS, AND MICE TO VINYL CHLORIDE
 AUTHOR/AFFILIATION KEPLINGER ML,INDUSTRIAL BIO-TEST LABS;GOODE JM,SAME;GORDON DE,SAME;CALANORA JC,SAME;
 ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,PP.219-224,
 DATE 1974
 ABSTRACT IN THIS STUDY WHICH WAS DESIGNED TO COMPLEMENT MALTONI'S STUDIES, 100 RATS, HAMSTERS, AND MICE
 OF BOTH SEXES (600 TOTAL PER EXPOSURE GROUP) ARE BEING EXPOSED TO EITHER 0, 2500, 200, OR 50 PPM
 OF VINYL CHLORIDE VAPOR 7 H/DAY 5 DAYS/WEEK. MICE WILL BE EXPOSED FOR 9 MONTHS AND KEPT FOR AN
 ADDITIONAL 12 MONTHS. MORIBUND AND DEAD ANIMALS (WHEN POSSIBLE) RECEIVE GROSS AUTOPSIES AND ARE
 PHOTOGRAPHED. THE MAJOR ORGANS OF ALL ANIMALS ARE FIXED FOR HISTOLOGICAL EXAMINATION. IT APPEARS
 THAT ANGIOSARCOMAS MAY HAVE BEEN OBSERVED IN ONE MALE HAMSTER AND ONE MALE RAT EXPOSED TO 2500
 PPM AND IN ONE FEMALE RAT EXPOSED TO 200 PPM. NO TUMORS HAVE BEEN OBSERVED IN RATS OR HAMSTERS
 EXPOSED TO 50 PPM BUT ONE MALE CONTROL WAS FOUND TO HAVE A DERMAL FIBROMA.
 DESCRIPTORS ***** TUMORS;RATS;HAMSTERS;DERMAL;VCM;MICE;FIBROMA;
 KNIC INDEX NUMBER 05123
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ACCESSION NUMBER 4001
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER AS THE CERTIFIED CAUSE OF DEATH 1963-73
AUTHOR/AFFILIATION BAXTER PJ,NONE;FOX AJ,NONE;
ORIGIN THE LANCET,PP.27-28;
DATE 1975, JULY 5
ABSTRACT THIS COMMUNICATION REPORTS THE RESULTS IN ENGLAND AND WALES. ALL CERTIFICATES WITH AN UNDERLYING CAUSE OF DEATH OF CERTAIN BENIGN OR MALIGNANT LIVER TUMOURS WERE SCRUTINIZED FOR A DIAGNOSIS OF ANGIOSARCOMA, MALIGNANT HAEMANGIOENDOTHELIOMA, OR KUPFFER CELL SARCOMA. THREE CASES WERE IDENTIFIED. A COMPREHENSIVE FOLLOW-UP OBTAINING A FULL OCCUPATIONAL HISTORY IN EACH OF THESE CASES IS BEING CONDUCTED.
DESCRIPTORS ***** ANGIOSARCOMA;LIVER;PVC;VCM;CANCER;OCCUPATIONAL EXPOSURE;
KWIC INDEX NUMBER 05124
REVIEW YEAR 1996

Item 15

ACCESSION NUMBER 4000
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT PREDICTIVE VALUE OF CARCINOGENESIS BIOASSAYS
AUTHOR/AFFILIATION MALTONI C,NONE;
ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,PP.431-443;
DATE 1970, APPROX
ABSTRACT THE POTENTIAL ONCOGENIC RISK FOR MAN BY OCCUPATIONAL AND ENVIRONMENTAL AGENTS HAS SO FAR BEEN IDENTIFIED WHEN THE INCIDENCE OF A PARTICULAR TYPE OF TUMOR IN AN EXPOSED POPULATION HAS BEEN ESPECIALLY HIGH OR ON THE BASIS OF RETROSPECTIVE EPIDEMIOLOGIC STUDIES. WE MUST NOW PREDICT ONCOGENIC RISKS TO AVOID HUMAN EXPOSURE TO SUCH AGENTS. THE THREE MOST IMPORTANT CASES OF ENVIRONMENTAL AND OCCUPATIONAL TUMORS, DISCOVERED AFTER 1970, WERE INDIRECTLY OR DIRECTLY PREDICTED EXPERIMENTALLY.
DESCRIPTORS ***** BIOASSAY;OCCUPATIONAL EXPOSURE;TUMORS;EPIDEMIOLOGY;CANCER;VCM;INHALATION;RATS;MAN;MOUSE;HAMSTER;
ANGIOSARCOMA;LIVER;BRAIN;LUNG;SUBCUTANEOUS;
KWIC INDEX NUMBER 05127
REVIEW YEAR 1996

Item 16

ACCESSION NUMBER 3999
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER IN A VINYL-CHLORIDE WORKER
AUTHOR/AFFILIATION LEE FI,NONE;HARRY DS,NONE;
ORIGIN THE LANCET,PP.1316-1318;
DATE 1974, JUNE 29
ABSTRACT A MAN AGED 71 YEARS DIED WITH ANGIOSARCOMA OF THE LIVER, AN EXTREMELY RARE TUMOUR. FOR 20 YEARS HEA HAD BEEN A PROCESS WORKER IN THE MANUFACTURE OF POLYVINYL CHLORIDE MONOMER. EVIDENCE APPEARS

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STRONG THAT ANGIOSARCOMA OF THE LIVER IS AN OCCUPATION TUMOUR AND THAT VINYL CHLORIDE IS THE CARCINOGEN. THERE IS NO EVIDENCE THAT THE FINISHED POLYMER(PVC) CARRIES ANY RISK.

DESCRIPTORS ***** PVC;VCM;ACROOSTEOLYSIS;ANGIOSARCOMA;LIVER;OCCUPATIONAL EXPOSURE;
 KNIC INDEX NUMBER 05128
 REVIEW YEAR 1996

Item 17

ACCESSION NUMBER 3985
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT DETERMINATION OF 7-(2-OXOETHYL)GUANINE AND N2,3-ETHENOGUANINE IN DNA HYDROLYSATES BY HPLC
 AUTHOR/AFFILIATION FEDTKE N,CIT;WALKER VE,SAME;SHENBERG JA,SAME;
 ORIGIN ARCH TOXICOL,SUPPL 13 PP.214-218;
 DATE 1989
 ABSTRACT VINYL CHLORIDE(VC) IS METABOLIZED OXIDATIVELY TO 2-CHLOROETHYLENE OXIDE THAT CAN REARRANGE TO 2-CHLOROACETALDEHYDE. 2-CHLOROETHYLENE OXIDE IS RESPONSIBLE FOR THE FORMATION OF THE MAJOR DNA ADDUCT 7-(2-OXOETHYL)GUANINE (7-OEG) FORMED AFTER IN VIVO EXPOSURE OF EXPERIMENTAL ANIMALS TO VC (LAIB 1986). WHILE 7-OEG DID NOT CAUSE MISPAGING IN VITRO (BARBIN ET AL 1985), ANOTHER ADDUCT, N2,3-ETHENOGUANINE(EG), FOUND IN DNA OF RAT LIVER AFTER VC EXPOSURE (LAIB ET AL 1985), WAS SHOWN TO BE HIGHLY EFFICIENT CAUSING GC->AT TRANSITIONS (SINGER ET AL 1987). UNFORTUNATELY, THE ANALYTICAL EVIDENCE FOR THE IN VIVO FORMATION OF EG PRESENTED BY LAIB ET AL (1985) WAS EQUIVOCAL. HENCE, THE FIRST GOAL OF THIS STUDY WAS TO PROVE OR DISPROVE THE IN VIVO FORMATION OF EG. THE SECOND GOAL WAS TO DETERMINE THE SENSITIVITY NEEDED TO STUDY THE DOSE-RESPONSE RELATIONSHIP BETWEEN VC EXPOSURE AND TARGET TISSUE DOSE MEASURED AS DNA ADDUCTS. NEW HPLC METHODS FOR QUANTIFYING 7-OEG AND EG BY FLUORESCENCE SPECTOPHOTOMETRY WERE DEVELOPED. DETECTION LIMITS WERE 15 AND 1.4 PMOL PER UMOL GUANINE FOR 7-OEG AND EG, RESPECTIVELY. IN THE CASE OF EG, ADDITIONAL QUALITATIVE EVIDENCE FOR ITS PRESENCE WAS OBTAINED BY A HIGHLY SPECIFIC GC-MS METHOD.

DESCRIPTORS ***** VCM;DNA;METABOLISM;
 HELD TERMS DNA ADDUCTS;DNA BINDING;
 REVIEW YEAR 1995

Item 18

ACCESSION NUMBER 3984
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT COMPARISON OF POTENCY OF HUMAN CARCINOGENS: VINYL CHLORIDE, CHLOROMETHYLMETHYL ETHER AND BIS(CHLOROMETHYL)ETHER
 AUTHOR/AFFILIATION VAN DUUREN BL,NONE;
 ORIGIN ENVIRONMENTAL RESEARCH,VOL 49 PP.143-151;
 DATE 1989
 ABSTRACT ON THE BASIS OF THESE NUMBERS OF CANCER DEATHS, AND THE LEVELS AND DURATIONS OF EXPOSURE, IT IS CONCLUDED THAT VC IS A WEAK HUMAN CARCINOGEN COMPARED TO CME-BCME.

DESCRIPTORS ***** VCM;CANCER;HUMAN;EFFECTS;BCME;
 HELD TERMS CHLOROMETHYLMETHYL ETHER;CME;
 REVIEW YEAR 1999

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ACCESSION NUMBER 3964
FILE LOCATION GEN
DOCUMENT TYPE JOURNAL
TITLE OR SUBJECT VINYL CHLORIDE FORMATION FROM THE THERMAL DEGRADATION OF POLY(VINYL CHLORIDE)
AUTHOR/AFFILIATION WAKEMAN IB, TENNECO CHEMICALS, JOHNSON HR, SAME;
ORIGIN NONE, VOL 2 NO.3 PP.200-203;
DATE 1980, SEPTEMBER
ABSTRACT THE VOLATILE PRODUCTS FROM THE THERMAL DEGRADATION OF POLY(VINYL CHLORIDE)(PVC) RESINS AND COMPOUNDS ARE SHOWN TO CONTAIN TRACE AMOUNTS OF VINYL CHLORIDE.
DESCRIPTORS ***** PVC;VCM;COMBUSTION;TOXICITY;THERMAL DECOMPOSITION;
HELD TERMS J OF VINYL TECHNOLOGY;
KHIC INDEX NUMBER 04819
REVIEW YEAR 1992

Item 20

ACCESSION NUMBER 3941
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT COMBUSTION PRODUCTS FROM VINYL CHLORIDE MONOMER
AUTHOR/AFFILIATION O'HARA MM,BFG;CRIDER LB,SAME;DANIEL RL,DOM CHEM;
ORIGIN AIHA,VOL 32 PP.153-156
DATE 1971, MARCH
ABSTRACT BY MEANS OF A VARIETY OF ANALYTICAL TECHNIQUES, THE COMBUSTION PROFILE OF VINYL CHLORIDE MONOMER(VCM) HAS BEEN DETERMINED. THIS PROFILE INCLUDES FLAME TEMPERATURES, SOOT CONTENT, AND A COMBUSTION GAS ANALYSIS. DEPENDING ON THE AMOUNT OF VCM-AIR PREMIXING PRIOR TO COMBUSTION, THE TEMPERATURE OF A VCM FLAME RANGES FROM 950 DEG TO 1466 DEG C. SIMILARLY, THE SOOT OR UNBURNED CARBON CONTENT OF A VCM FLAME VARIES FROM 3 TO 6 WEIGHT PERCENT. AN ANALYSIS OF THE COMBUSTION GASES FROM VCM REVEAL THE FOLLOWING COMPOSITION: HCL 27,000 PPM; CO2 58,100 PPM; CO 9500 PPM; PHOSGENE 40 PPM; AND VCM TRACE. FROM A HAZARD STANDPOINT, THE GROSS QUANTITY OF HYDROGEN CHLORIDE IS THE MAIN SOURCE OF DANGER IN A VCM FIRE.
DESCRIPTORS ***** VCM;COMBUSTION;TOXICITY;THERMAL DECOMPOSITION;
KHIC INDEX NUMBER 00950
REVIEW YEAR 1992

Item 21

ACCESSION NUMBER 3924
FILE LOCATION GEN
DOCUMENT TYPE JOURNAL
TITLE OR SUBJECT COHORT AND CASE-CONTROL ANALYSES OF WORKERS EXPOSED TO VINYL CHLORIDE: AN UPDATE
AUTHOR/AFFILIATION MU M,NONE;STEENLAND K,NONE;BROWN D,NONE;NELLS V,NONE;JONES J,NONE;SCHULTE P,NONE;HALPERIN M,NONE;
ORIGIN J OF OCCUPATIONAL MEDICINE,VOL 31 NO.6 PP.518-523;
DATE 1989, JUNE
ABSTRACT THE ONLY SIGNIFICANT ASSOCIATION BETWEEN DISEASE RISK AND CUMULATIVE DOSE WAS FOR LIVER CANCER AND CUMULATIVE DOSE OF VINYL CHLORIDE MONOMER. FURTHER DIVISION OF THE LIVER CANCERS INTO ANGIOSARCOMA (N=12) AND OTHER LIVER CANCERS (N=7), BASED ON REVIEW OF DEATH CERTIFICATES AND MEDICAL RECORDS, SHOWED THAT THE DOSE RESPONSE EXISTED ONLY FOR ANGIOSARCOMAS.
DESCRIPTORS ***** VCM;PVC DUST;ANALYSIS;WORKERS;EXPOSURE;
REVIEW YEAR 1997

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Item 22

ACCESSION NUMBER 3921
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT INCREASED ALKYLATION OF LIVER DNA AND CELL TURNOVER IN YOUNG VERSUS OLD RATS EXPOSED TO VINYL CHLORIDE CORRELATES WITH CANCER SUSCEPTIBILITY
AUTHOR/AFFILIATION LAIB RJ,NONE;BOLT HM,NONE;CARTIER R,IARC;BARTSCH H,IARC;
ORIGIN TOXICOLOGY LETTERS,VOL 45 PP.231-239;
DATE 1989
DESCRIPTORS ***** VCM;CANCER;DNA;TRANSPLACENTAL CARCINOGEN;LIVER;EFFECTS;
HELD TERMS DNA ALKYLATION;
REVIEW YEAR 1997

Item 23

ACCESSION NUMBER 3919
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT 1,N6-ETHENO-2'-DEOXYADENOSINE AND 3,N4-ETHENO-2'-DEOXYCYTIDINE DETECTED BY MONOCLONAL ANTIBODIES IN LUNG AND LIVER DNA OF RATS EXPOSED TO VINYL CHLORIDE.
AUTHOR/AFFILIATION EBERLE G,NONE;BARBIN A,NONE;LAIB RJ,NONE;CIROUSSEL F,NONE;THOMALE J,NONE;BARTSCH H,NONE;RAJENSKY MF,NONE;
ORIGIN NONE,VOL 10 NO.1 PP.209-212;
DATE 1989
DESCRIPTORS ***** VCM;DNA;CANCER;MUTAGENICITY;
HELD TERMS MONOCLONAL ANTIBODIES;DNA ADDUCTS;CARCINOGENESIS;
REVIEW YEAR 1997

Item 24

ACCESSION NUMBER 3915
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT VCM TOXICITY SUMMARY.
AUTHOR/AFFILIATION HINDERER RK,BFG;
ORIGIN BFG;
DATE 1988
ABSTRACT THIS SUMMARY WAS PREPARED TO ADDRESS IMMUNOTOXICITY ALLEGATIONS.
DESCRIPTORS ***** VCM;CANCER;TOXICITY;BIRTH DEFECTS;LIVER;EFFECTS;ANGIOSARCOMA;
HELD TERMS IMMUNOTOXICITY;ACRO-OSTEOLYSIS;
REVIEW YEAR 1997

Item 25

ACCESSION NUMBER 3903
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT THE MUTAGENICITY AND CARCINOGENICITY OF VINYL CHLORIDE: A HISTORICAL REVIEW AND ASSESSMENT.

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AUTHOR/AFFILIATION NONE,NONE;
ORIGIN NONE,TECHNICAL REPORT NO.31;
DATE 1988
DESCRIPTORS ***** VCM;MUTAGENICITY;CANCER
HELD TERMS ECETOC;
REVIEW YEAR 1997

Item 26

ACCESSION NUMBER 3882
FILE LOCATION GEN
DOCUMENT TYPE PROCEEDINGS
TITLE OR SUBJECT CONFERENCE TO REEVALUATE THE TOXICITY OF VINYL CHLORIDE, POLYVINYL CHLORIDE AND STRUCTURAL ANALOGUES
AUTHOR/AFFILIATION NONE,NONE;
ORIGIN NIH,NITH NIOSH/NIEHS AS COSPONSORS;
DATE 1980, MARCH 20
DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;CHLORINATED HYDROCARBONS;MICE;RATS;
KWIC INDEX NUMBER 04763
REVIEW YEAR 1991

Item 27

ACCESSION NUMBER 3880
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE MUTAGENICITY OF VINYL CHLORIDE AFTER METABOLIC ACTIVATION
AUTHOR/AFFILIATION RANNUG U,NONE;JOHANSSON A,NONE;RAMEL C,NONE;KACHTHEISTER CA,NONE;
ORIGIN AMBIO,VOL 3 NO.5 PP.194-197;
DATE 1974
DESCRIPTORS ***** VCM;METABOLISM;MUTAGENICITY;IN VITRO;
HELD TERMS ACTIVATION
KWIC INDEX NUMBER 01052
REVIEW YEAR 1991

Item 28

ACCESSION NUMBER 3875
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CONGENITAL CENTRAL NERVOUS SYSTEM MALFORMATIONS, KANAWHA COUNTY, WEST VIRGINIA
AUTHOR/AFFILIATION NONE,NONE;
ORIGIN CDC,EPI-76-60-2;
DATE 1976, JULY 26
ABSTRACT DATA AVAILABLE THROUGH THE BIRTH DEFECTS MONITORING PROGRAM (BDMP) REVEALED THAT FROM 1970 THROUGH 1974, KANAWHA COUNTY, WEST VIRGINIA-- WHERE 1 OF THE 40 POLYVINYL CHLORIDE PRODUCTION PLANTS IN THE UNITED STATES IS LOCATED--HAD RATES OF CONGENITAL CENTRAL NERVOUS SYSTEM DEFECTS THAT WERE SIGNIFICANTLY HIGHER THAN NATIONAL BDMP RATES FOR THOSE YEARS.
DESCRIPTORS ***** VCM;BIRTH DEFECTS;CNS;TERATOGENICITY;HUMAN;EFFECTS;EPIDEMIOLOGY;
KWIC INDEX NUMBER 02556

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Item 29

ACCESSION NUMBER 3873
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE EFFECT OF MATERNALLY INHALED VINYL CHLORIDE ON EMBRYONAL, FETAL AND POSTNATAL DEVELOPMENT IN RATS
AUTHOR/AFFILIATION MIRKOVA E,NONE;MICHAILOVA A,NONE;HINKOVA L,NONE;NASKO M,NONE;
ORIGIN NONE;
DATE 1970
ABSTRACT THE RESULTS SHOWED THAT VINYL CHLORIDE CAUSED AN INCREASED FETAL MORTALITY AND FREQUENCY OF HAEMORRHAGES AND A DECREASED FETAL WEIGHT. VINYL CHLORIDE WAS TERATOGENIC AT THE CONCENTRATION USED. TERATOGENIC EFFECTS CONSISTED OF EXTERNAL (ENCEPHALOCELE), INTERNAL SOFT TISSUE ABNORMALITIES (HYDROCEPHALUS, BRAIN HAEMORRHAGES) AND SKELETAL MALFORMATIONS (DOUBLES OSSIFICATION CENTRES IN THE STERNUM). VINYL CHLORIDE PRODUCED ALSO BIOCHEMICAL AND FUNCTIONAL DISTURBANCES IN THE HOMEOSTASIS OF THE FETAL ORGANISM AND THE OFFSPRING. A DECREASED ACTIVITY OF THE DEHYDROGENASES--G6PDH,SUCDH,I-CDH,MDH,LDH AND AN INCREASED ACTIVITY OF GAMA-GTP WAS ESTABLISHED IN THE FETAL LIVER. VINYL CHLORIDE CAUSED AN INCREASED G6PDH AND I-CDH ACTIVITY IN THE FETAL BRAIN. THE INDEX OF FERTILITY AND GESTATION IN THE PROGENY WAS DECREASED. THE EXCRETORY, DETOXYFYING AND ENZYMIC FUNCTIONS OF THE LIVER, AS WELL AS THE NERVOUS SYSTEM WERE INJURED IN THE THREE GENERATIONS OF THE OFFSPRING.
DESCRIPTORS ***** VCM;TERATOGENICITY;FETAL TOXICITY;INHALATION;EMBRYOTOXICITY;
KHIC INDEX NUMBER 04056
REVIEW YEAR 1991

Item 30

ACCESSION NUMBER 3870
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE DYNAMICS OF VINYL CHLORIDE INDUCED ACROOSTEOLYSIS
AUTHOR/AFFILIATION MYSLAK Z,NONE;GLUSZCZ M,NONE;
ORIGIN UNKNOWN;
DATE 1977
ABSTRACT THESE OBSERVATIONS SHOW THAT IN VC-INDUCED OSTEOLYSIS NO REAL LESION OF BONE STRUCTURE OCCURS, AND THAT THE ACROOSTEOLYSIS IS REVERSIBLE.
DESCRIPTORS ***** VCM;ACROOSTEOLYSIS;HUMAN;EFFECTS;
HELD TERMS INSTITUTE OF OCCUPATIONAL MEDICINE;
KHIC INDEX NUMBER 04057
REVIEW YEAR 1990

Item 31

ACCESSION NUMBER 3869
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT HISTOLOGICAL AND ELECTRON MICROSCOPE STUDIES UPON THE LONG-TERM TOXICITY OF VINYL CHLORIDE IN RATS, WITH SPECIAL REFERENCE TO LIVER CHANGES

20867012

BFG51931

data search on vcm for craig elgut

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AUTHOR/AFFILIATION STETKIEWICZ J,NONE;KOLAKOWSKI J,NONE;ZDRAJKOWSKA I,NONE;SZENDZIKOWSKI S,NONE;
ORIGIN UNKNOWN;
DATE 1977
DESCRIPTORS ***** VCM;INHALATION;RATS;CHRONIC;EFFECTS;TOXICITY;
HELD TERMS INSTITUTE OF OCCUPATIONAL MEDICINE(POLAND);
KNIC INDEX NUMBER 04059
REVIEW YEAR 1990

Item 32

ACCESSION NUMBER 3868
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT METABOLISM OF VINYL CHLORIDE MONOMER IN THE LIVER OF RATS
AUTHOR/AFFILIATION WISNIEWSKA-KNYPL JH,NONE;TARKOWSKI S,NONE;DRAMINSKI M,NONE;
ORIGIN UNKNOWN;
DATE 1977
DESCRIPTORS ***** VCM;METABOLISM;RATS;LIVER;INHALATION;
HELD TERMS INSTITUTE OF OCCUPATIONAL MEDICINE(POLAND);
KNIC INDEX NUMBER 04060
REVIEW YEAR 1990

Item 33

ACCESSION NUMBER 3867
FILE LOCATION GEN
DOCUMENT TYPE TECHNICAL REPORT
TITLE OR SUBJECT AMBIENT WATER QUALITY CRITERIA FOR VINYL CHLORIDE
AUTHOR/AFFILIATION NONE,NONE;
ORIGIN EPA,PB81-117889;
DATE 1980, OCTOBER
ABSTRACT THE LEVELS WHICH MAY RESULT IN INCREMENTAL INCREASE OF CANCER RISK OVER THE LIFETIME ARE ESTIMATED AT 10-5,10-6, AND 10-7. THE CORRESPONDING RECOMMENDED CRITERIA ARE 20 UG/L, 2.0 UG/L, AND 0.2 UG/L, RESPECTIVELY. IF THE ABOVE ESTIMATES ARE MADE FOR CONSUMPTION OF AQUATIC ORGANISMS ONLY, EXCLUDING CONSUMPTION OF WATER, THE LEVELS ARE 5,246 UG/L, 525 UG/L, AND 52.5 UG/L, RESPECTIVELY.
DESCRIPTORS ***** VCM;WATER;
KNIC INDEX NUMBER 04085
REVIEW YEAR 1990

Item 34

ACCESSION NUMBER 3863
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT REVIEW AND AUDIT OF IBT NO. 663-03222, CHRONIC VAPOR INHALATION TOXICITY STUDY WITH VINYL CHLORIDE (ETHYLENE DERIVED) IN ALBINO RATS, ALBINO MICE AND GOLDEN HAMSTERS FOR THE MANUFACTURING CHEMISTS ASSOCIATION
AUTHOR/AFFILIATION BOB HEST,NONE;
ORIGIN NONE,FOR IBT;

20867013

data search on vcm for craig elgut
 Order number 901119-133245-WIZ -001-001
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DATE 1980, APRIL 14
 DESCRIPTORS ***** VCM;INHALATION;RATS;MICE;HAMSTERS;CARCINOGENICITY;CHRONIC;TOXICITY;
 HELD TERMS AUDIT;BOB WEST ASSOCIATES;
 KNIC INDEX NUMBER 04593
 REVIEW YEAR 1990

Item 35

ACCESSION NUMBER 3862
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT EPIDEMIOLOGY STUDY ON VINYL CHLORIDE WORKERS AT SHAWINIGAN PLANT: FRENCH VERSION
 AUTHOR/AFFILIATION THERIAULT G,NONE;ALLARD P,NONE;
 ORIGIN NONE;
 DATE 1980
 DESCRIPTORS ***** VCM;EPIDEMIOLOGY;HUMAN;EFFECTS;
 KNIC INDEX NUMBER 04749
 REVIEW YEAR 1990

Item 36

ACCESSION NUMBER 3860
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT PATHOLOGY REPORT ON THE BRAINS FROM MICE,HAMSTERS, AND RATS EXPOSED TO VINYL CHLORIDE IN IBT
 STUDY 663-03222
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN NONE;
 DATE 1980, MAY 14
 DESCRIPTORS ***** VCM;BRAIN;MICE;RATS;HAMSTERS;INHALATION;CARCINOGENICITY;CHRONIC;TOXICITY;
 HELD TERMS EXPERIMENTAL PATHOLOGY LABORATORIES;AUDIT;
 KNIC INDEX NUMBER 04667
 REVIEW YEAR 1990

Item 37

ACCESSION NUMBER 3859
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT VINYL CHLORIDE CARCINOGENICITY BIOASSAYS (BT PROJECT) AS AN EXPERIMENTAL MODEL FOR RISK
 IDENTIFICATION AND ASSESSMENT IN ENVIRONMENTAL AND OCCUPATIONAL CARCINOGENESIS
 AUTHOR/AFFILIATION MALTONI C,NONE;LEFEMINE G,NONE;CILIBERTI A,NONE;COTTI G,NONE;CARRETTI D,NONE;
 ORIGIN NONE;MEETING HELD AT INSTITUT CURIE (PARIS,FRANCE);
 DATE 1979, NOVEMBER 10
 ABSTRACT ANGIOSARCOMA (1 AT 10 PPM INHALATION AND 1 AT 0.3 MG/HG ORAL AND MORE AT HIGHER DOSES),
 EXTRA-HEPATIC ANGIOSARCOMAS, HEPATOMA, ZYMBAL GLAND CARCINOMA, NEPHROBLASTOMAS AND NEUROBLASTOMAS
 FOUND IN RODENTS EXPOSED TO VCM.
 DESCRIPTORS ***** VCM;CARCINOGENICITY;ANGIOSARCOMA;ZYMBAL GLAND;RATS;MICE;HAMSTERS;
 HELD TERMS HEPATOMA;NEPHROBLASTOMA;NEUROBLASTOMA;RODENTS;
 KNIC INDEX NUMBER 04712

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data search on vcm for craig elgut

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REVIEW YEAR 1990

Item 38

ACCESSION NUMBER 3858
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT A COMMUNITY VINYL CHLORIDE MORTALITY ANALYSIS STUDY
 AUTHOR/AFFILIATION ITURRA H, LAVAL UNIV;
 ORIGIN NONE, SPECIAL MTG ON TOXIC SUBSTANCES IN THE AIR ENVIRONMENT;
 DATE 1976
 ABSTRACT STUDY COMPARES THE MORTALITY PROFILE OF PEOPLE FROM A COMMUNITY EXPOSED TO VINYL CHLORIDE INTO ITS ENVIRONMENT WITH THE MORTALITY PROFILE OF A CONTROL COMMUNITY MATCHED FOR DEMOGRAPHY AND INDUSTRIALIZATION. THE TWO POPULATIONS DO NOT DIFFER BUT FOR MALES AGED BETWEEN 20 AND 64. IN THIS LATTER GROUP, FIVE CANCER TYPES ARE MORE PREVALENT IN SHAMINIGAN THAN IN DRUMMONDVILLE. THEY ARE CANCERS OF THE LIVER, THE PANCREAS, THE BRAIN, THE LUNG AND THE BLADDER. MORE STUDIES ARE NEEDED TO ASCERTAIN THE ORIGIN OF THESE CANCERS WHETHER IT IS THROUGH EXPOSURE AT WORK OR IN THE ENVIRONMENT.

DESCRIPTORS ***** VCM; EPIDEMIOLOGY; CANCER; LIVER; BRAIN; LUNG; PANCREAS; BLADDER;
 HELD TERMS APCA;
 KMIC INDEX NUMBER 04756
 REVIEW YEAR 1990

Item 39

ACCESSION NUMBER 3857
 FILE LOCATION GEN
 DOCUMENT TYPE PROCEEDINGS
 TITLE OR SUBJECT AN EPIDEMIOLOGY DESCRIPTION OF 10 CANADIAN CASES OF ANGIOSARCOMA OF THE LIVER
 AUTHOR/AFFILIATION DELORME F, NONE;
 ORIGIN NONE, SPECIAL MEETING ON TOXIC SUBSTANCES IN THE AIR ENVIRONMENT;
 DATE 1976
 ABSTRACT TEN CASES OF ANGIOSARCOMA OF THE LIVER WERE DIAGNOSED AMONG WORKERS OF A VINYL CHLORIDE POLYMERIZING PLANT IN SHAMINIGAN, QUEBEC, SINCE 1974. AN EPIDEMIOLOGICAL QUESTIONNAIRE WAS COMPLETED BY MEETING WITH RELATIVES AND FRIENDS OF THE CASES. THE PRESENT PAPER DESCRIBES THE OCCUPATIONAL HISTORY ALONG WITH THE ALCOHOL CONSUMPTION, THE SMOKING HABITS, THE PASSED DISEASES AND OTHER RELEVANT INFORMATIONS OF THESE INDIVIDUALS. FURTHERMORE, IT STUDIES THE RELATIONSHIP BETWEEN THE TIME OF FIRST EXPOSURE, THE DURATION OF EXPOSURE, THE MORPHOLOGICAL ASPECT OF THE HEPATIC LESIONS AND A BRIEF EXPOSITION OF THE PATHOGENESIS OF THE DISEASE.

DESCRIPTORS ***** ANGIOSARCOMA; VCM; HUMAN; EFFECTS; EPIDEMIOLOGY;
 HELD TERMS APCA;
 KMIC INDEX NUMBER 04758
 REVIEW YEAR 1990

Item 40

ACCESSION NUMBER 3856
 FILE LOCATION GEN
 DOCUMENT TYPE PAPER
 TITLE OR SUBJECT HEALTH EFFECTS OF EXPOSURE TO VINYL CHLORIDE IN A CANADIAN COMMUNITY

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data search on vcm for craig elgut
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AUTHOR/AFFILIATION THERIAULT G, LAVAL UNIV;
ORIGIN NONE, SPECIAL MEETING ON TOXIC SUBSTANCES IN THE AIR ENVIRONMENT;
DATE 1976
ABSTRACT THE PURPOSE OF THE PAPER IS TO DESCRIBE BRIEFLY THE RESEARCHES THAT ARE GOING ON AT LAVAL UNIVERSITY ON THE HEALTH EFFECTS OF EXPOSURE TO VINYL CHLORIDE IN A CANADIAN COMMUNITY (SHAMINIGAN). THE THREE MAIN STUDIES INCLUDE A DESCRIPTION OF THE 10 CASES OF ANGIOSARCOMA OF THE LIVER FOUND AMONG VC WORKERS IN CANADA, A MORTALITY STUDY OF THE COMMUNITY EXPOSED TO VC AND A PROPOSAL FOR A BIRTH DEFECTS STUDY IN THE CONCERNED COMMUNITY.
DESCRIPTORS ***** VCM; ANGIOSARCOMA; BIRTH DEFECTS; HUMAN; EFFECTS;
HELD TERMS APCA;
KHIC INDEX NUMBER 04757
REVIEW YEAR 1990

Item 41

ACCESSION NUMBER 3855
FILE LOCATION GEN
DOCUMENT TYPE JOURNAL
TITLE OR SUBJECT MUTAGENICITY OF WASTE PRODUCTS FROM VINYL CHLORIDE INDUSTRIES
AUTHOR/AFFILIATION RAMEL C, UNIV OF STOCKHOLM; RANNUG U, SAME;
ORIGIN J OF TOXICOLOGY AND ENVIRONMENTAL HEALTH, VOL 2 PP.1019-1029;
DATE 1977
ABSTRACT THE RESULTS SHOWED THAT EDC-TAR CONTAINED DIRECT AS WELL AS INDIRECT MUTAGENIC CONSTITUENTS.
DESCRIPTORS ***** VCM; MUTAGENICITY; IN VITRO; EDC; TAR;
KHIC INDEX NUMBER 04092
REVIEW YEAR 1990

Item 42

ACCESSION NUMBER 3846
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT REASSESSMENT OF LIVER CANCER AMONG VINYL CHLORIDE WORKERS
AUTHOR/AFFILIATION NONE, NONE;
ORIGIN NONE, FOR CHA;
DATE 1989, FEBRUARY
ABSTRACT ATTEMPTED FOLLOW-UP OF 37 LIVER CANCER CASES IDENTIFIED IN EARLIER REPORT. INCOMPLETE DATA RECOVERY, BUT INCORRECT DIAGNOSIS IS INDICATED IN SOME CASES WITH A REDUCTION BUT NOT ELIMINATION OF STATISTICALLY SIGNIFICANT EXCESS.
DESCRIPTORS ***** VCM; LIVER; CANCER;
HELD TERMS ENSR HEALTH SCIENCES;
REVIEW YEAR 1992

Item 43

ACCESSION NUMBER 3833
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT TOXICITY OF VINYL CHLORIDE AND POLY(VINYL CHLORIDE): A CRITICAL REVIEW
AUTHOR/AFFILIATION MAGONER JK, NONE;

20867016

data search on vcm for craig elgut
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ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 52 PP.61-66;
 DATE 1983
 ABSTRACT THE TARGET ORGANS FOR VC NOW CLEARLY INCLUDE THE LIVER,BRAIN AND THE LUNG, AND PROBABLY THE LYMPHOHEMATOPOIETIC SYSTEM.THE EVIDENCE FOR A CARCINOGENIC RISK HAS BEEN EXTENDED TO JOBS ASSOCIATED WITH POLY(VINYL CHLORIDE) EXPOSURE. CASES OF LIVER ANGIOSARCOMA HAVE BEEN REPORTED AMONG INDIVIDUALS EMPLOYED IN PVC FABRICATION FACILITIES AND AN EPIDEMIOLOGICAL STUDY HAS DEMONSTRATED A SIGNIFICANT ASSOCIATION BETWEEN EXPOSURE TO PVC DUST AND THE RISK OF LUNG CANCER MORTALITY. CASES OF ANGIOSARCOMA OF THE LIVER ALSO HAVE BEEN REPORTED AMONG INDIVIDUALS LIVING IN NEAR PROXIMITY TO VINYL CHLORIDE-POLY(VINYL CHLORIDE)PLANTS. AN ASSOCIATION BETWEEN PVC DUST AND PNEUMOCONIOSIS ALSO HAS BEEN DEMONSTRATED. ON THE BASIS OF FINDINGS, PRUDENT CONTROL OF PVC DUST IN THE INDUSTRIAL SETTING IS INDICATED.

DESCRIPTORS ***** VINYL CHLORIDE;PVC DUST;LUNGS;CANCER;AOL;
 HELD TERMS PNEUMOCONIOSIS;
 REVIEW YEAR 1996

Item 44

ACCESSION NUMBER 3797
 FILE LOCATION gen
 DOCUMENT TYPE CORRESPONDENCE
 TITLE OR SUBJECT report on the 1986 industrial direct discharges in ONTARIO: RESPONSE TO COMMENTS BY RK HINDERER.
 AUTHOR/AFFILIATION lan q,none;
 ORIGIN NONE,TO BFG;
 DATE 1988
 DESCRIPTORS ***** AQUATIC TOXICITY;MUTAGENICITY;EFFECTS;VCM;
 HELD TERMS BROCK UNIV; AQUATIC;TOXICITY;
 REVIEW YEAR 1990

Item 45

ACCESSION NUMBER 3763
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT ACROOSTEOLYSIS AND ASSOCIATED CUTANEOUS LESIONS IN TWO WORKERS INCURRED IN THE CLEANING OF AUTOCLAVES.
 AUTHOR/AFFILIATION CORDIER JM,NONE;FIEVEZ C,NONE;LEFEVRE MJ,NONE;SEVRIN A,NONE;
 ORIGIN NONE,VOL.4 NO.1;
 DATE 1966
 ABSTRACT TRANSLATION
 DESCRIPTORS ***** ACROOSTEOLYSIS;VCM
 HELD TERMS CAHIERS DE MEDECINE DU TRAVAIL;
 KWIC INDEX NUMBER 04791
 REVIEW YEAR 1996

Item 46

ACCESSION NUMBER 3645
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT DISTRIBUTION OF PRIMARY CANCERS OF THE LIVER IN THE PROVINCE OF QUEBEC

BFG51935

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data search on vcm for craig elgut
Order number 901119-133245-MIZ -001-001
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AUTHOR/AFFILIATION JACOB PJ,NONE;THERIAULT GP,NONE;
ORIGIN NONE,VOL 112 PP.305-307;
DATE 1975
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;CANCER;LIVER;ANGIOSARCOMA;
HELD TERMS CMA J;CANADIAN MEDICAL ASSOCIATION J;
KMIC INDEX NUMBER 01650
REVIEW YEAR 1996

Item 47

ACCESSION NUMBER 3561
FILE LOCATION gen
DOCUMENT TYPE report
TITLE OR SUBJECT cohort and case-control analyses of workers exposed to vinyl chloride - an update.
AUTHOR/AFFILIATION Wu W,none;teenland K,none;brown D,none;wells V,none;jones J,none;schulte P,none;halperin W,none;
ORIGIN niosh, to bfg;
DATE 1988
ABSTRACT there was an association between vcm and liver cancer. however, there was no relationship
between vcm or pvc and brain or lung cancer.
DESCRIPTORS ***** cancer;liver;brain;lung;angiosarcoma;vcm;pvc;human;effects;epidemiology
REVIEW YEAR 1990

Item 48

ACCESSION NUMBER 3478
FILE LOCATION GEN
DOCUMENT TYPE CORRESPONDENCE
TITLE OR SUBJECT VCM FOUND IN TOBACCO SMOKE
AUTHOR/AFFILIATION ROEMER CN,NONE;
ORIGIN KELLER AND HECKMAN;
DATE 1988
ABSTRACT IARC VOL 38 LISTS VCM IN TOBACCO SMOKE.
DESCRIPTORS ***** VCM;TOBACCO SMOKE;COMBUSTION;CANCER;TOXICITY;
REVIEW YEAR 1996

Item 49

ACCESSION NUMBER 3376
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT update to vinyl chloride mortality study.
AUTHOR/AFFILIATION DAHAR MS,DOW CHEM;BOND GG,DOW CHEM;MCLAREN EA,SAME;SABEL FL,SAME;LIPPS TE,SAME;COOKRR,SAME;
ORIGIN journal of occupational medicine, vol.30(8) pp.648-9;
DATE 1988
DESCRIPTORS ***** vcm;human;effects;epidemiology;cancer;chronic
REVIEW YEAR 1996

Item 50

ACCESSION NUMBER 3375

BFG51936

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FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT TOXICITY OF VINYL CHLORIDE-POLYVINYL CHLORIDE:A COMPILATION OF PAPERS PRESENTED AT A NYAS WORKSHOP
 AUTHOR/AFFILIATION VELTMAN G,NONE;LANGE CE,NONE;LILIS R,NONE;MILLER A,NONE;SUCIU I,NONE;BERK PD,NONE;SAKABE H,NONE;MYATT RH,NONE;CREECH JL,NONE;MARSTELLER HJ,NONE;HEFNER RE,NONE;OSTER G,NONE;JAEGER RJ,NONE;WAGNER ER,NONE;PRODAN L,NONE;VOLKHEIMER G,NONE;POPPER H,NONE;MALTONI C,NONE;KEPLINGER ML,NONE;NICHOLSON WJ,NONE;HEATH CM,NONE;SCHNEIDERMAN MA,NONE;BYREN D,NONE;MANCUSO TF,NONE;VAN DUUREN BL,NONE;THOMAS LV,NONE;GAY BW,NONE;SCHWEITZER GE,NONE;CORN M,NONE;ROME VK,NONE;PERKEL G,NONE;BELICZKY L,NONE;JOHNSON CA,NONE;DOLL R,NONE;HEIMANN H,NONE;
 ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,VOL 246 PAPERS PRESENTED AT A WORKSHOP SPONSORED BY NYAS,ACS,NIH,NIH,SOCIETY FOR OCCUPATIONAL & HEALTH(MAY 10-11,1974)
 DATE 1975, JANUARY 31
 ABSTRACT VOLUME CONTAINS FOUR PARTS: TOXICOLOGICAL INVESTIGATIONS OF VINYL CHLORIDE-POLYVINYL CHLORIDE VIA CLINICAL STUDIES, EXPERIMENTAL STUDIES,PATHOLOGY;CARCINOGENESIS ASSOCIATED WITH VINYL CHLORIDE VIA EXPERIMENTAL STUDIES, EPIDEMIOLOGICAL STUDIES,PATHOLOGY;ENVIRONMENTAL CONSIDERATIONS, CONTROL AND MANAGEMENT.
 DESCRIPTORS ***** EPIDEMIOLOGY;VINYL CHLORIDE;VCM;PVC;TOXICITY;CARCINOGENICITY;MORTALITY;
 REVIEW YEAR 1996

Item 51

ACCESSION NUMBER 3374
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT CONFERENCE TO REEVALUATE THE TOXICITY OF VINYL CHLORIDE MONOMER,POLY(VINYL CHLORIDE) AND STRUCTURAL ANALOGS; ENVIRONMENTAL HEALTH PERSPECTIVES (EHP) COMPILATION OF PAPERS PRESENTED ON VC, PVC AND STRUCTURAL ANALOGS
 AUTHOR/AFFILIATION MAXHEILER PJ,NONE;MALTONI C,NONE;SUZUKI Y,NONE;GROTH DH,NONE;RADIKE MJ,NONE;HEHIR RH,NONE;WAGNER JC,NONE;INFANTE PF,NONE;HEDER H,NONE;COOPER MC,NONE;FALK H,NONE;BAXTER PJ,NONE;TAMBURRO CH,NONE;WHEELER RN,NONE;JONES JH,NONE;CHIAZZE L,NONE;MOLINA G,NONE;MASTRANGELO G,NONE;LILIS R,NONE;JOHN JA,NONE;RICE JM,NONE;FABRICANT JD,NONE;HATCH M,NONE;DIMMICK HF,NONE;VIANNA NJ,NONE;CHU KC,NONE;APFELDORF R,NONE;HATTIS D,NONE;
 ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 41 CONTAINS PAPERS FROM NIH CONFERENCE MARCH 20-21(1980);
 DATE 1981, OCTOBER
 ABSTRACT CONTAINS MOST EXTENSIVE ANIMAL RESEARCH ON THE CARCINOGENICITY OF VCM EVER PUBLISHED. DOSE-RESPONSE CURVES CAN BE EXAMINED BY SITE AND TYPE OF TUMOR, BY ROUTE AND SCHEDULE OF EXPOSURE, AND BY SPECIES AND STRAIN OF ANIMAL. THE UPDATED EPIDEMIOLOGIC STUDIES PRESENTED IN THIS VOLUME OF MORTALITY AMONG WORKERS EXPOSED TO VC REINFORCE THE LABORATORY FINDINGS OF MULTISITE CARCINOGENICITY. DATA DEMONSTRATING THE MUTAGENIC AND TRANSPLACENTAL EFFECTS OF VCM ARE ALSO UPDATED AND SUMMARIZED. THE CARCINOGENICITY OF PVC DUST IS EVALUATED BOTH EXPERIMENTALLY AND EPIDEMIOLOGICALLY IN THESE PROCEEDINGS. THE RESULTS ARE NOT DEFINITIVE.
 DESCRIPTORS ***** TOXICITY;VINYL CHLORIDE;PVC;RATS;MAN;EPIDEMIOLOGY;CARCINOGENICITY;INHALATION;HOUSE;LUNGS;EFFECTS;PVC DUST;RISK ASSESSMENT;VCM;
 HELD TERMS PNEUMOCONIOSIS;
 REVIEW YEAR 1996

Item 52

ACCESSION NUMBER 3352

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data search on vcm for craig elgut
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FILE LOCATION gen
DOCUMENT TYPE report
TITLE OR SUBJECT report on the 1986 industrial direct discharges in ontario..
AUTHOR/AFFILIATION lan q,nones
ORIGIN NONE,TO BFG;
DATE 1988
ABSTRACT master thesis draft
DESCRIPTORS ***** AQUATIC TOXICITY;MUTAGENICITY;EFFECTS;VCM;
HELD TERMS BROCK UNIV;
REVIEW YEAR 1990

Item 53

ACCESSION NUMBER 3351
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT follow-up study on the carcinogenicity of vinyl chloride and vinylidene chloride in rats abd
mice: tumor incidence and mortality subsequent to exposure.
AUTHOR/AFFILIATION hong cb,nones;winston jm,nones;thornburg lp,nones;lee cc,nones;
ORIGIN J OF TOXICOLOGY AND ENVIRONMENTAL HEALTH,VOL.7 pp.909-924;
DATE 1981
DESCRIPTORS ***** vcm;cancer;RAT;effects
REVIEW YEAR 1996

Item 54

ACCESSION NUMBER 3350
FILE LOCATION gen
DOCUMENT TYPE report
TITLE OR SUBJECT community risk assessment.
AUTHOR/AFFILIATION downs td,nones;
ORIGIN NONE,VOL 37 PP.118-124;
DATE 1978
DESCRIPTORS ***** VCM;HUMAN;RATS;EFFECTS;CANCER;RISK ASSESSMENT;
HELD TERMS TEXAS REPORTS ON BIOLOGY & MEDICINE;
REVIEW YEAR 1996

Item 55

ACCESSION NUMBER 3337
FILE LOCATION gen
DOCUMENT TYPE report
TITLE OR SUBJECT toxicological profile for vinyl chloride.
AUTHOR/AFFILIATION none,nones;
ORIGIN NONE,FOR EPA;
DATE 1988
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;RATS;
HELD TERMS TECHNICAL RESOURCES INC;
REVIEW YEAR 1990

BFG51938

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Item 56

ACCESSION NUMBER 3259
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT development of techniques to monitor for exposure to vinyl chloride: monoclonal antibodies to ethanoadenosine.
AUTHOR/AFFILIATION young tl,none;santella rm,none;
ORIGIN NONE,VOL 9 NO.4 PP.589-592;
DATE 1988
DESCRIPTORS ***** VCM;BIOLOGICAL MONITORING;RISK assessment
HELD TERMS CARCINOGENESIS;
REVIEW YEAR 1996

Item 57

ACCESSION NUMBER 3238
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT study of mortality among chemical workers in the kanawha valley of west virginia.
AUTHOR/AFFILIATION rinsky ra,none;jott g,none;ward s,none;greenberg h,none;halperin w,none;leat t,none;
ORIGIN american j of industrial medicine, vol 13 pp.429-438;
DATE 1988
ABSTRACT increase in liver and lympo- and reticulosarcoma seen in a cohort of 29,139 males.
DESCRIPTORS ***** vcm;epidemiology;human;effects;cancer;liver;
HELD TERMS LYMPHOPOIETIC;
REVIEW YEAR 1996

Item 58

ACCESSION NUMBER 3207
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT EFFECT OF VINYL CHLORIDE ON TESTIS IN RATS
AUTHOR/AFFILIATION BI W,NONE;HANG Y,NONE;H HUANG,NONE;HENG D,NONE;
ORIGIN NONE,VOL 10 NO.3 PP.281-289;
DATE 1985
ABSTRACT THE AUTHORS EXPOSED MALE RATS TO 0, 10, 100, 3000 PPM VCM, 6HR/D, 6D/WK FOR 12 MONTHS WITH OBSERVATION THROUGH 18 MONTHS. THIS WORK IS NOT WELL REPORTED. THEY INDICATE A DECREASE IN TESTICULAR ORGAN TO BODY WT RATIO IS DUE TO VCM. HOWEVER, THIS EFFECT WAS SEEN ONLY AT 6 MONTHS, NOT AT THE 3, 12, AND 18 MONTHS OBSERVATIONS. THIS SUGGESTS THAT THIS EFFECT MAY BE AN ARTIFACT RATHER THAN VCM-RELATED. THE AUTHORS COULD HAVE PERSUED THIS FURTHER BY COMPARING ORGAN TO BRAIN WT RATIOS. THE AUTHORS ALSO REPORT SEMINIFEROUS TUBULES DAMAGED (DISAPPEARANCE OF SPERMATIDS, SPERMATOCYTS) IN 3 CATAGORIES 10-50, 50-100, AND MORE THAN 100. THERE WAS AN INCREASE IN THE INCIDENCE OF ANIMALS WITH CHANGES AT 100 AND 3000 PPM, BUT THIS INCREASE APPEARED TO BE LIMITED TO LOW GRADE (10-50) CATEGORY BECAUSE THE RELATIVE OCCURRENCE IN THE 3 CATEGORIES DID NOT CHANGE WITH DOSE. THIS IN ITSELF WOULD SUGGEST THAT, IF COMPOUND RELATED, VCM WOULD NOT BE EXPECTED TO CAUSE AND REPRODUCTIVE BECAUSE THERE IS NO EVIDENCE OF AN INCREASE IN SEVERITY OF DAMAGE WITH DOSE. IF THE AUTHORS HAD PROVIDED INFORMATION ON WHEN THESE CHANGES WERE OBSERVED (3, 6, 12, OR

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18 MONTHS) IT MIGHT HAVE BEEN EASIER TO DETERMINE THE RELEVANCE OF THESE OBSERVATIONS TO VCM.
 DESCRIPTORS ***** VCM;CHRONIC;EFFECTS;TESTES;REPRODUCTION;
 HELD TERMS ECOTOXICOLOGY & ENVIRONMENTAL SAFETY;SPERM;
 REVIEW YEAR 1996

Item 59

ACCESSION NUMBER 3203
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT increasing evidence of the rise of cancer in workers exposed to vinylchloride.
 AUTHOR/AFFILIATION smulevich vb,none;fedotova iv,none;filatova vs,none;
 ORIGIN british j of industrial medicine, vol 45(2) pp.93-97;
 DATE 1988
 ABSTRACT authors allege leukemias and lymphomas in the study group and the absence of angiosarcomas reflect the action of different levels of vcm.
 DESCRIPTORS ***** vcm;angiosarcoma;leukemia;lymphoma;cancer;human;effects;epidemiology
 REVIEW YEAR 1996

Item 60

ACCESSION NUMBER 3201
 FILE LOCATION gen
 DOCUMENT TYPE report
 TITLE OR SUBJECT potential effects of vinyl chloride on human offspring.
 AUTHOR/AFFILIATION none,none;
 ORIGIN NONE;
 DATE 1987
 ABSTRACT vcm does not cause birth defects or miscarriages, but is of concern as a potential transplacental carcinogen.
 DESCRIPTORS ***** VCM;BIRTH DEFECTS;REPRODUCTION;EFFECTS;CANCER;HUMAN;
 HELD TERMS VINYL INSTITUTE;
 REVIEW YEAR 1996

Item 61

ACCESSION NUMBER 3159
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT mortality study of workers in a polyvinyl-chloride production plant.
 AUTHOR/AFFILIATION duck bw,none;carter jt,none;coombes ej,none;
 ORIGIN the lancet, pp.1197;
 DATE 1975
 ABSTRACT 1 case of angiosarcoma found in a cohort of 2100 workers exposed to vcm for up to 27 years.
 DESCRIPTORS ***** vcm;angiosarcoma;liver;human;effects
 KWIC INDEX NUMBER 02613
 REVIEW YEAR 1996

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ACCESSION NUMBER 3148
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT angiosarcoma of the liver among printers.
AUTHOR/AFFILIATION herbert jt,none;
ORIGIN UNKNOWN;
DATE 1976
ABSTRACT 5 cases identified; possible link to vcm suggested.
DESCRIPTORS ***** vcm;angiosarcoma;liver;human;effects
KWIC INDEX NUMBER 02331
REVIEW YEAR 1996

Item 63

ACCESSION NUMBER 3129
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT vinyl chloride contamination: the hidden threat.
AUTHOR/AFFILIATION wolf k,none;holland r,none;rajaratnam a,none;
ORIGIN NONE,VOL 15 PP.163-184;
DATE 1987
ABSTRACT discusses vcm in ground water and sanitary landfills.
DESCRIPTORS ***** VCM;WATER;
HEAD TERMS GROUND WATER;LANDFILL;J OF HAZARDOUS WASTE;
REVIEW YEAR 1996

Item 64

ACCESSION NUMBER 3115
FILE LOCATION gen
DOCUMENT TYPE report
TITLE OR SUBJECT literature search on pvc degradation.
AUTHOR/AFFILIATION none,none;
ORIGIN NONE,NONE;
DATE 1987
ABSTRACT no evidence that pvc is degraded in soil or water to vcm.
DESCRIPTORS ***** vcm;pvc;degradation;biodegradation;water
REVIEW YEAR 1990

Item 65

ACCESSION NUMBER 3114
FILE LOCATION gen
DOCUMENT TYPE correspondence
TITLE OR SUBJECT angiosarcoma case report.
AUTHOR/AFFILIATION DRUMRIGHT JR,NONE;
ORIGIN NONE,TO BFG;
DATE 1987
ABSTRACT angiosarcoma case in a pvc worker.
DESCRIPTORS ***** vcm;pvc;angiosarcoma;human;effects

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HELD TERMS VISTA CHEMICAL CO;
 REVIEW YEAR 1992

Item 66

ACCESSION NUMBER 3113
 FILE LOCATION gen
 DOCUMENT TYPE report
 TITLE OR SUBJECT literature search on the degradation of tce to vcm.
 AUTHOR/AFFILIATION none,none;
 ORIGIN NONE,NONE;
 DATE 1987
 ABSTRACT tce is biodegraded to vcm.
 DESCRIPTORS ***** vcm,trichloroethylene,degradation,biodegradation,MATER;
 HELD TERMS DIALOG INFORMATION SERVICES, GROUNDWATER,SOIL;
 REVIEW YEAR 1994

Item 67

ACCESSION NUMBER 3112
 FILE LOCATION gen
 DOCUMENT TYPE LITERATURE SEARCH
 TITLE OR SUBJECT literature search vcm/reproductive effects.
 AUTHOR/AFFILIATION none,none;
 ORIGIN NONE,NONE;
 DATE 1987
 DESCRIPTORS ***** vcm,birth defects,reproduction,effects
 REVIEW YEAR 1994

Item 68

ACCESSION NUMBER 3111
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT spontaneous abortions among women employed in the plastics industry.
 AUTHOR/AFFILIATION lindbohm s,none;hamminki k,none;kyronen p,none;
 ORIGIN AMERICAN J OF INDUSTRIAL MEDICINE,VOL 8 PP.579-586;
 DATE 1985
 DESCRIPTORS ***** vcm,birth defects,reproduction,human,effects,epidemiology,mutagenicity,teratogenicity
 REVIEW YEAR 1994

Item 69

ACCESSION NUMBER 3110
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT the use and abuse of subgroup analysis in epidemiological research.
 AUTHOR/AFFILIATION stallone ra,none;
 ORIGIN preventive medicine, vol 16 pp.183-194;
 DATE 1987

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ABSTRACT critique of infants study of genetic risks of vcm.
 DESCRIPTORS ***** vcm;reproduction;birth defects;epidemiology;teratogenicity;human;effects;mutagenicity
 REVIEW YEAR 1994

Item 70

ACCESSION NUMBER 3109
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT genetic risks of vinyl chloride.
 AUTHOR/AFFILIATION paddle gm,none;
 ORIGIN the lancet, pp.1079;
 DATE 1976, may 15
 DESCRIPTORS ***** VCM;BIRTH DEFECTS;REPRODUCTION ;EFFECTS;HUMAN;teratogenicity;mutagenicity;epidemiology
 REVIEW YEAR 1994

Item 71

ACCESSION NUMBER 3108
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT genetic risks of vinyl chloride.
 AUTHOR/AFFILIATION infants pf,niosh;wagener jk,niosh;mcmichael aj,niosh;maxweiler rj,niosh;falk h,niosh;
 ORIGIN the lancet, pp.734-735;
 DATE 1976, april 3
 ABSTRACT AUTHORS REPORT EXCESS FETAL LOSS IN WIVES OF WORKERS EXPOSED TO VCM. HOWEVER, THESE RESULTS ARE QUESTIONABLE BECAUSE OF STUDY FLAWS (SEE MAC MAHON, 1977, VINYL CHLORIDE AND HUMAN REPRODUCTION AND DOWNS ET AL, 1977, VINYL CHLORIDE, BIRTH DEFECTS AND FETAL MASTAGE A CRITICAL REVIEW.)
 DESCRIPTORS ***** vcm;reproduction;birth defects;mutagenicity;human;effects;teratogenicity;epidemiology;FETAL TOXICITY;
 KWIC INDEX NUMBER 01669
 REVIEW YEAR 1994

Item 72

ACCESSION NUMBER 3105
 FILE LOCATION gen
 DOCUMENT TYPE report
 TITLE OR SUBJECT literature search on vcm immunotoxicity.
 AUTHOR/AFFILIATION none,none;
 ORIGIN NONE,NONE;
 DATE 1987
 ABSTRACT vcm does not cause immunodeficiency.
 DESCRIPTORS ***** VCM;
 HELD TERMS IMMUNOTOXICITY;IMMUNODEFICIENCY;DIALOG INFORMATION SERVICES;
 REVIEW YEAR 1994

Item 73

ACCESSION NUMBER 3098

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FILE LOCATION GEN
 DOCUMENT TYPE GUIDELINES
 TITLE OR SUBJECT NATIONAL PRIMARY DRINKING WATER REGULATIONS FOR CERTAIN VOLATILE SYNTHETIC ORGANIC
 CHEMICALS--MONITORING FOR UNREGULATED CONTAMINANTS: FINAL RULE
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN FEDERAL REGISTER,VOL 52 NO.130 PP.25690-25717;
 DATE 1987, JULY 8
 ABSTRACT THE REGULATIONS SET MAXIMUM LIMITS OF 0.002 MILLIGRAM PER LITER OF VINYL CHLORIDE;0.005 MILLIGRAM
 PER LITER FOR BENZENE,CARBON TETRACHLORIDE, 1,2-DICHLOROETHANE AND TRICHLOROETHYLENE;0.007
 MILLIGRAM PER LITER FOR 1,1-DICHLOROETHYLENE;0.075 MILLIGRAM PER LITER FOR PARA-DICHLOROBENZENE;
 AND 0.2 MILLIGRAM PER LITER FOR 1,1,1-TRICHLOROETHANE. THE REPORTING REQUIREMENTS REQUIRE PUBLIC
 WATER SYSTEMS TO REPORT MONITORING DATA TO STATES WITHIN SPECIFIED TIME PERIODS, AND THE PUBLIC
 NOTIFICATION PROVISIONS REQUIRE EACH PUBLIC WATER SYSTEM TO GIVE NOTICE TO PERSONS IT SERVES IF
 IT VIOLATES THE MCLS (MAXIMUM CONTAMINANT LEVELS) OR FAILS TO COMPLY WITH THE MONITORING
 REQUIREMENTS.
 DESCRIPTORS ***** TRICHLOROETHYLENE;CARBON TETRACHLORIDE;1,1,1-TRICHLOROETHANE;VINYL CHLORIDE;1,2-DICHLOROETHANE;
 BENZENE;1,1-DICHLOROETHYLENE;DRINKING WATER;MONITORING;CONTAMINANTS;
 HELD TERMS NPDW;PARA-DICHLOROBENZENE;
 REVIEW YEAR 1992

Item 74

ACCESSION NUMBER 3097
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT incidence of cancer among vinylchloride and polyvinylchloride workers: further evidence for an
 association with malignant melanoma.
 AUTHOR/AFFILIATION ten berge wf,none;
 ORIGIN BRITISH J OF INDUSTRIAL MEDICINE,VOL 44 NO.10 PP.718-719;
 DATE 1987
 DESCRIPTORS ***** vcm;cancer;human;effects;
 HELD TERMS MELANOMA;
 REVIEW YEAR 1994

Item 75

ACCESSION NUMBER 3096
 FILE LOCATION gen
 DOCUMENT TYPE publication
 TITLE OR SUBJECT exposure to vinyl chloride monomer: report on a cohort study.
 AUTHOR/AFFILIATION laplanche a,none;clavel f,none;contassot j-c,none;lanouziere c,none;
 ORIGIN BRITISH J OF INDUSTRIAL MEDICINE,VOL 44 NO.10 PP.711-715;
 DATE 1987
 DESCRIPTORS ***** vcm;human;effects;epidemiology;angiosarcoma
 REVIEW YEAR 1994

Item 76

ACCESSION NUMBER 2970
 FILE LOCATION gen

BFG51944

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DOCUMENT TYPE publication
TITLE OR SUBJECT effects of exposure to vinyl chloride: an assessment of the evidence.
AUTHOR/AFFILIATION doll r,none;
ORIGIN NONE,VOL 14 NO.2 PP.61-78;
DATE 1988
ABSTRACT review and critique of epidemiology studies of vcm exposed populations.
DESCRIPTORS ***** vcm;cancer;angiosarcoma;human;effects;epidemiology
HELD TERMS SCANDINAVIAN J OR WORK ENVIRONMENT & HEALTH;
REVIEW YEAR 1996

Item 77

ACCESSION NUMBER 2967
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT a scientific basis for the risk assessment of vinyl chloride.
AUTHOR/AFFILIATION NONE,NONE;
ORIGIN NONE,VOL 7 PP.120-127;
DATE 1987
ABSTRACT risk assessments based on animal and human data are presented. it is concluded that continuous exposure to .001 mg/ml(3) corresponds to a risk of 10(-6) per lifetime.
DESCRIPTORS ***** vcm;cancer;risk assessment;RATS;effects;human
HELD TERMS REGULATORY TOXICOLOGY & PHARMACOLOGY;
REVIEW YEAR 1996

Item 78

ACCESSION NUMBER 2963
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT risk of angiosarcoma in workers exposed to vinyl chloride as predicted from studies in rats.
AUTHOR/AFFILIATION GEHRING PJ,DOM CHEMICAL CO;NATANABE PG,SAME;PARK CN,SAME;
ORIGIN toxicology and applied pharmacology, vol 49 pp.15-21;
DATE 1979
ABSTRACT the predicted incidence of hepatic angiosarcoma using the probit model is 1.5×10^{-6} .
DESCRIPTORS ***** vcm;rat;angiosarcoma;cancer;risk assessment
REVIEW YEAR 1996

Item 79

ACCESSION NUMBER 2838
FILE LOCATION GEN
DOCUMENT TYPE PAPER
TITLE OR SUBJECT A MORTALITY STUDY OF VINYL CHLORIDE MONOMER WORKERS EMPLOYED IN THE UNITED KINGDOM 1940-1974
AUTHOR/AFFILIATION JONES RD,NONE;THOMAS PG,NONE;SMITH DM,NONE;
ORIGIN ICI;
DATE 1987, MAY 22
ABSTRACT THE MORTALITY EXPERIENCE OF 5,498 MALE WORKERS EMPLOYED FOR AT LEAST ONE YEAR DURING 1940-1974 IN THE UK VINYL CHLORIDE INDUSTRY WAS FOLLOWED THROUGH TO DECEMBER 31, 1984. NON-SECONDARY LIVER TUMORS ACCOUNTED FOR 11 DEATHS, (11/1.9%, $P < 0.001$) OF WHICH 7 WERE ANGIOSARCOMAS. ALL

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ANGIOSARCOMA DEATHS OCCURRED IN AUTOCLAVE WORKERS WITH A MEDIAN LATENCY FROM DATE OF FIRST EXPOSURE OF 25 YEARS. A STRONG HEALTHY WORKER EFFECT WAS SEEN. OTHER THAN FOR THE LIVER, NO INCREASED INCIDENCE OF CANCER DEATHS ATTRIBUTABLE TO VCM EXPOSURE WAS FOUND. THERE WAS NO EVIDENCE OF INCREASED MORTALITY FROM CHRONIC LIVER DISEASE. THE INCIDENCE OF DEATH FROM RESPIRATORY DISEASE WAS LOW AND WAS NOT AFFECTED BY PVC DUST EXPOSURE.

DESCRIPTORS ***** EPIDEMIOLOGY;VCM;WORKERS;EFFECTS;
 REVIEW YEAR 1995

Item 80

ACCESSION NUMBER 2833
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT STUDY OF ILLNESSES DUE TO VINYL CHLORIDE
 AUTHOR/AFFILIATION SUCIU I,NONE;DREJMAN I,NONE;VALASKAI M,NONE;
 ORIGIN NONE,VOL 58 NO.4 PP.261-271;
 DATE 1967
 ABSTRACT EARLY DESCRIPTION OF THE EFFECTS OF HIGH EXPOSURES TO VCM.
 DESCRIPTORS ***** VCM;ACUTE;HUMAN;EFFECTS;SKIN;RAYNAUD'S SYNDROME;SCLERODERMA;
 HELD TERMS LA MEDICINA DEL LAVORO;
 REVIEW YEAR 1995

Item 81

ACCESSION NUMBER 2780
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT AN UPDATE OF AN EPIDEMIOLOGY STUDY OF VINYL CHLORIDE WORKERS (1942-1982)
 AUTHOR/AFFILIATION HONG,NONE;
 ORIGIN CMA;
 DATE 1986, OCTOBER 17
 ABSTRACT THE COHORT CONSISTED OF 10,173 MEN WHO HAD WORKED FOR AT LEAST ONE YEAR IN JOBS INVOLVING EXPOSURE TO VINYL CHLORIDE PRIOR TO JANUARY 1, 1973. THESE MEN WERE EMPLOYED AT 37 PLANTS IN THE U.S., BELONGING TO 17 COMPANIES. OBSERVATION OF THE MORTALITY EXPERIENCE OF THE COHORT WAS EXTENDED FROM DECEMBER 31, 1972 TO DECEMBER 31, 1982. A TOTAL OF 1536 COHORT MEMBERS WERE IDENTIFIED TO HAVE DIED. THE OBSERVED MORTALITY, BY CAUSE, WAS COMPARED WITH THE EXPECTED BASED ON U.S. MORTALITY RATES, STANDARDIZED FOR AGE, RACE AND CALENDAR TIME. ANALYSES BY LENGTH OF EXPOSURE, LATENCY, AGE AT FIRST EXPOSURE, CALENDAR YEAR OF FIRST EXPOSURE AND TYPE OF PRODUCTS WERE PERFORMED. THE STUDY CONFIRMED THAT THE VINYL CHLORIDE WORKERS EXPERIENCED SIGNIFICANT MORTALITY EXCESSES IN ANGIOSARCOMA (15 DEATHS), CANCER OF THE LIVER AND BILIARY TRACT (SMR=641), AND CANCER OF THE BRAIN AND OTHER CENTRAL NERVOUS SYSTEM (SMR=180). IN ADDITION, THE STUDY ALSO FOUND A SIGNIFICANT MORTALITY EXCESS IN EMPHYSEMA (SMR=179). ON THE OTHER HAND, THE STUDY DID NOT FIND ANY EXCESS IN EITHER RESPIRATORY CANCER OR LYMPHATIC AND HEMATOPOIETIC CANCER.
 DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;EPIDEMIOLOGY;ANGIOSARCOMA;CANCER;LIVER;BRAIN;CNS;EMPHYSEMA;
 HELD TERMS BILIARY TRACT;
 REVIEW YEAR 1995

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ACCESSION NUMBER 2778

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FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT MORTALITY STUDY OF 5000 VC MANUFACTURERS IN NINE ITALIAN PLANTS
AUTHOR/AFFILIATION BELLI ET AL,NONE;
ORIGIN NONE,NONE;
DATE 1986
ABSTRACT INTERIM REPORT.
DESCRIPTORS ***** PVC,VCM;EPIDEMIOLOGY,HUMAN,EFFECTS;CARCINOGENICITY;
REVIEW YEAR 1988

Item 83

ACCESSION NUMBER 2619
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT VINYL CHLORIDE: AN ASSESSMENT OF THE RISK OF OCCUPATIONAL EXPOSURE
AUTHOR/AFFILIATION PURCHASE IFH,NONE;STAFFORD J,NONE;PADDE GM,ICI;
ORIGIN NONE,VOL 25 NO.2 PP.187-202;
DATE 1987
ABSTRACT ALTHOUGH PRECISE ESTIMATES OF EXPOSURE ARE NOT AVAILABLE FOR THE PERIODS OF MOST INTEREST, THE PATTERN OF CASES ROUGHLY SUGGESTS THAT EXTREMELY HIGH EXPOSURES WERE NECESSARY FOR THE INDUCTION OF ANGIOSARCOMA OF THE LIVER (ASL).
DESCRIPTORS ***** ANGIOSARCOMA,LIVER,VCM;RISK ASSESSMENT;OCCUPATIONAL EXPOSURE;
REVIEW YEAR 1992

Item 84

ACCESSION NUMBER 2615
FILE LOCATION gen
DOCUMENT TYPE publication
TITLE OR SUBJECT incidence of cancer among vinyl chloride and polyvinyl chloride workers: further evidence for an association with malignant melanoma.
AUTHOR/AFFILIATION heldeas ss,none;andersen aa,none;langard s,none;
ORIGIN BRITISH J OF INDUSTRIAL MEDICINE,VOL 44 NO.4pp.278-280;
DATE 1987
DESCRIPTORS ***** vcm;pvc;skin;human;effects
REVIEW YEAR 1995

Item 85

ACCESSION NUMBER 2486
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT REVIEW OF PULMONARY EFFECTS OF POLY(VINYL CHLORIDE) AND VINYL CHLORIDE EXPOSURE
AUTHOR/AFFILIATION LILIS R,NONE;
ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 41 PP.167-169;
DATE 1981
DESCRIPTORS ***** PVC DUST;PULMONARY FUNCTION;EFFECTS;VCM;CARCINOGENICITY;
HELP TERMS IMMUNOTOXICITY;
COMMENTS RKH(87) DOCUMENT ON SHELVES.

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Item 86

ACCESSION NUMBER 2485
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT THE EFFECTS OF ORGANIC COMPOUNDS USED IN THE MANUFACTURE OF PLASTICS ON THE RESPONSIVITY OF
 MURINE AND HUMAN LYMPHOCYTES
 AUTHOR/AFFILIATION THURMAN GB,NONE;SIMMS BG,NONE;GOLOSTEIN AL,NONE;KILIAN DJ,NONE;
 ORIGIN TOX AND APPLIED,VOL 44 NO.3 PP.617-641;
 DATE 1978
 DESCRIPTORS ***** VCM;HUMAN;MICE;EFFECTS;
 HELD TERMS IMMUNOTOXICITY;
 COMMENTS RKH(87) DOCUMENT ON SHELVES.
 REVIEW YEAR 1995

Item 87

ACCESSION NUMBER 2484
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT IMMUNOLOGIC EFFECTS OF VINYL CHLORIDE IN MICE
 AUTHOR/AFFILIATION SHARMA RP,NONE;GEHRING PJ,NONE;
 ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,VOL 320 PP.551-563;
 DATE 1979
 ABSTRACT METABOLITES OF VCM MAY BE RESPONSIBLE FOR THE STIMULATION OF LYMPHOCYTE TRANSFORMATION OBSERVED
 IN SPLENIC CULTURES.
 DESCRIPTORS ***** VCM;MICE;EFFECTS;
 HELD TERMS IMMUNOTOXICITY;
 COMMENTS RKH(87) DOCUMENT ON SHELVES.
 REVIEW YEAR 1995

Item 88

ACCESSION NUMBER 2482
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT IMMUNOTOXICOLOGIC STUDIES WITH VINYL CHLORIDE IN RABBITS AND MICE
 AUTHOR/AFFILIATION SHARMA RP,NONE;YAKEL HO,DOW CHEMICAL CO;GEHRING PJ,SAME;
 ORIGIN NONE,VOL 2 PP.295-299;
 DATE 1980
 ABSTRACT THE STUDY INDICATED THAT ALTHOUGH VCM MAY CAUSE AN APPARENT ENHANCEMENT OF IMMUNE REACTIVITY, IT
 DOES NOT ALTER THE IMMUNOLOGIC RESPONSE TO SIMULTANEOUSLY ADMINISTERED ANTIGENS.
 DESCRIPTORS ***** VCM;MICE;RABBITS;EFFECTS;
 HELD TERMS IMMUNOTOXICITY;INTERNATIONAL J OF IMMUNOPHARMACOLOGY;
 REVIEW YEAR 1995

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ACCESSION NUMBER 2481
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT GENETIC SUSCEPTIBILITY TO SCLERODERMA-LIKE SYNDROME INDUCED BY VINYL CHLORIDE
AUTHOR/AFFILIATION BLACK CH,NONE;WALKER AE,NONE;CATOGGIO LJ,NONE;WELSH KI,NONE;BERNSTEIN RM,NONE;MCGREGOR AR,NONE;
LLOYD JONES JK,NONE;
ORIGIN THE LANCET, PP.53-55;
DATE 1983
ABSTRACT VARIOUS ANTIGENS WERE OBSERVED IN WORKERS WITH 'VCM DISEASE'.' S
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;RAYNAUD'S SYNDROME;
HELD TERMS IMMUNOTOXICITY;
REVIEW YEAR 1995

Item 90

ACCESSION NUMBER 2480
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CHEMICAL INTERACTIONS AND COMPROMISED IMMUNE SYSTEM
AUTHOR/AFFILIATION SHARMA RP,NONE;
ORIGIN NONE,VOL 4 PP.345-351;
DATE 1984
ABSTRACT THE IMMUNOSTIMULATING EFFECT OF VCM IS DISCUSSED.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;MICE;
HELD TERMS IMMUNOTOXICITY;FUNDAMENTAL & APPLIED TOX;
REVIEW YEAR 1995

Item 91

ACCESSION NUMBER 2479
FILE LOCATION GEN
DOCUMENT TYPE JOURNAL
TITLE OR SUBJECT HISTOCOMPATIBILITY ANTIGENS (HLA) IN DERMATOLOGY
AUTHOR/AFFILIATION ROMELL NR,NONE;
ORIGIN BRITISH J OF DERMATOLOGY,VOL 3 PP.347-357;
DATE 1984
ABSTRACT VARIOUS ANTIGENS WERE FOUND IN PATIENTS WITH 'VCM DISEASE'.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;RAYNAUD'S SYNDROME;
HELD TERMS IMMUNOTOXICITY;
REVIEW YEAR 1995

Item 92

ACCESSION NUMBER 2478
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE IMMUNOTOXICITY OF SELECTED ENVIRONMENTAL CHEMICALS,PESTICIDES AND HEAVY METALS
AUTHOR/AFFILIATION EXON JH,NONE;
ORIGIN NONE,PP.355-368;
DATE 1984

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ABSTRACT A REVIEW OF STUDIES INDICATES THAT VCM CAUSES HYPERACTIVE HUMORAL IMMUNE RESPONSES AND
APPEARANCE OF CIRCULATING IMMUNE COMPLEXES.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;RAYNAUD'S SYNDROME;
HELD TERMS IMMUNOTOXICITY ;UNIV OF IDAHO;
REVIEW YEAR 1995

Item 93

ACCESSION NUMBER 2477
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT VASCULITIC PURPURA IN VINYL CHLORIDE DISEASE: A CASE REPORT
AUTHOR/AFFILIATION MAGNAVITA N,NONE;BERGAMASCHI A,NONE;GARCOVICH A,NONE;GIULIANO G,NONE;
ORIGIN NONE,VOL 37 NO.5 PP.382-388;
DATE 1986
ABSTRACT THE FINDING OF INCREASED CIRCULATING IMMUNE COMPLEXES AND ANTI-SMOOTH MUSCLE AUTOANTIBODIES
STRENGTHENS THE HYPOTHESIS THAT IMMUNOLOGIC CHANGES PLAY A ROLE IN THE APPEARANCE OF 'VINYLIC
PURPURA'.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;RAYNAUD'S SYNDROME;
HELD TERMS IMMUNOTOXICITY
REVIEW YEAR 1995

Item 94

ACCESSION NUMBER 2476
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CRYGLOBULINEMIA IN RAYNAUD'S PHENOMENON DUE TO VINYL CHLORIDE
AUTHOR/AFFILIATION LANGAUER-LEMONICKA H,NONE;DUDZIAK Z,NONE;BYCZKOVSKA Z,NONE;
ORIGIN INTERNATIONAL ARCHIVES OF OCCUPATIONAL & ENVIRONMENTAL HEALTH,VOL 36 PP.197-207;
DATE 1976
ABSTRACT RAYNAUD'S PHENOMENON WAS DESCRIBED IN 22 VCM POLYMERIZATION WORKERS. INCREASES IN IMMUNOPROTEIN
AND COMPLEXES WERE OBSERVED.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;RAYNAUD'S SYNDROME;
HELD TERMS IMMUNOTOXICITY
REVIEW YEAR 1995

Item 95

ACCESSION NUMBER 2475
FILE LOCATION GEN
DOCUMENT TYPE JOURNAL
TITLE OR SUBJECT IMMUNOLOGICAL MECHANISMS IN THE PATHOGENESIS OF VINYL CHLORIDE DISEASE
AUTHOR/AFFILIATION HARD AH,NONE;UDNOON S,NONE;MATKINS J,NONE;WALKER AE,NONE;DARKE CS,NONE;
ORIGIN BRITISH MEDICAL JOURNAL,VOL 1 PP.936-938;
DATE 1976, APRIL 17
ABSTRACT IMMUNOLOGICAL INVESTIGATIONS REVEALED THE PRESENCE OF CIRCULATING IMMUNE COMPLEXES IN 19 OF 28
PATIENTS WITH 'VCM DISEASE' AND 2 OF 30 WORKERS WHO WERE EXPOSED TO VCM.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;RAYNAUD'S SYNDROME;
HELD TERMS IMMUNOTOXICITY;

BFG51950

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Item 96

ACCESSION NUMBER 2459
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT HEPATOTOXICITY OF VINYL CHLORIDE AND 1,1-DICHLOROETHYLENE: ROLE OF MIXED FUNCTION OXIDASE SYSTEM.
AUTHOR/AFFILIATION REYNOLDS ES,NONE;MOSLEN MT,NONE;SZABO S,NONE;JAEGER R,NONE;MURPHY SD,NONE;
ORIGIN UNKNOWN;
DATE 1975
DESCRIPTORS ***** VCM;VDC;METABOLISM;RATS;
HELD TERMS HEPATOTOXICITY;
REVIEW YEAR 1990

Item 97

ACCESSION NUMBER 2451
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT A PROPORTIONAL MORTALITY STUDY OF WORKERS EXPOSED TO VINYL CHLORIDE 1947-74.
AUTHOR/AFFILIATION PASTERNAK BS,NONE;
ORIGIN UNKNOWN
DATE 1974
ABSTRACT FIRESTONE POTTSOMM STUDY.
DESCRIPTORS ***** VCM;EPIDEMIOLOGY;HUMAN;EFFECTS;CARCINOGENICITY
REVIEW YEAR 1990

Item 98

ACCESSION NUMBER 2449
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT IMMUNOPATHOLOGIC OBSERVATIONS IN LIVER ANGIOSARCOMA.
AUTHOR/AFFILIATION ESPINOSA E,NONE;
ORIGIN UNIV OF LOUISVILLE;
DATE 1971
DESCRIPTORS ***** VCM;LIVER;ANGIOSARCOMA;HUMAN;EFFECTS;
HELD TERMS IMMUNOLOGIC;
REVIEW YEAR 1990

Item 99

ACCESSION NUMBER 2448
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT EVALUATION OF THE ENVIRONMENTAL TOXICANTS VINYL CHLORIDE (VC) AND VINYLIDENE CHLORIDE.
AUTHOR/AFFILIATION LEE CC, NONE;WINSTON JM,NONE;PETERS PJ,NONE;BHANDARI JC,NONE;HODGSON JR,NONE;HAGENSEN JH,NONE;
REDDIG TW,NONE;ELLIS ER,NONE;

BFG51951

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20867033

ORIGIN NONE, FOR NIEHS;
DATE 1977
DESCRIPTORS ***** VCM; VDC; RATS; INHALATION; CHRONIC
HELD TERMS MIDWEST RESEARCH INSTITUTE;
REVIEW YEAR 1990

Item 100

ACCESSION NUMBER 2446
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER IN VINYL CHLORIDE/POLYVINYL CHLORIDE WORKERS.
AUTHOR/AFFILIATION SPIRTAS R, NONE; KAMINSKI R, NONE;
ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 20(6) PP.427-429;
DATE 1978
DESCRIPTORS ***** VCM; ANGIOSARCOMA; HUMAN; EFFECTS
REVIEW YEAR 1990

Item 101

ACCESSION NUMBER 2445
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT TEN CASES OF LIVER ANGIOSARCOMA EXPERIENCED IN WORKERS EXPOSED TO VCM.
AUTHOR/AFFILIATION BERROD J, NONE; LAZARD P, NONE; PIERRE C, NONE; PUECH AM, NONE; RAVIER E, NONE; RETY J, NONE; SMAGGHE G, NONE;
ORIGIN NONE, AT DUBROVNIK ON 9/28/78;
DATE 1978
DESCRIPTORS ***** VCM; HUMAN; EFFECTS; ANGIOSARCOMA
HELD TERMS 19TH INTERNATIONAL OCCUPATIONAL MEDICINE CONFERENCE;
REVIEW YEAR 1990

Item 102

ACCESSION NUMBER 2443
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT EPIDEMIOLOGICAL STUDY OF VINYL CHLORIDE WORKERS.
AUTHOR/AFFILIATION NONE, NONE;
ORIGIN NONE, FOR CMA;
DATE 1978, JANUARY
DESCRIPTORS ***** VCM; EPIDEMIOLOGY; HUMAN; EFFECTS; CARCINOGENICITY
HELD TERMS EQUITABLE ENVIRONMENTAL HEALTH INC;
REVIEW YEAR 1990

Item 103

ACCESSION NUMBER 2442
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT CRITIQUE OF CPSC VCM SINGLE EXPOSURE CANCER BIOASSAY IN RATS AND MICE.

BFG51952

20867034

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AUTHOR/AFFILIATION TORKELSON TR,DOM CHEMICAL CO;
 ORIGIN DOM CHEMICAL CO;
 DATE 1979
 DESCRIPTORS ***** VCM,RATS,NICE,INHALATION,CARCINOGENICITY
 REVIEW YEAR 1990

Item 104

ACCESSION NUMBER 2441
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT MORTALITY EXPERIENCE OF WORKERS IN A VINYL CHLORIDE MONOMER PRODUCTION PLANT.
 AUTHOR/AFFILIATION BUFFLER PA,NONE;MOOD S,NONE;EIFLER C,NONE;SUAREZ L,NONE;KILIAN DJ,NONE;
 ORIGIN J OF OCCUPATIONAL MEDICINE, VOL21(3) PP.195-203;
 DATE 1979
 DESCRIPTORS ***** VCM;EPIDEMIOLOGY;CARCINOGENICITY;HUMAN;EFFECTS
 REVIEW YEAR 1990

Item 105

ACCESSION NUMBER 2440
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT SHORT-TERM INHALATION TOXICITY OF HALOGENATED HYDROCARBONS.
 AUTHOR/AFFILIATION JAEGER RJ,NONE;CONNOLLY RB,NONE;MURPHY SD,NONE;
 ORIGIN ARCH ENVIRON HEALTH,VOL 30 PP.26-31;
 DATE 1975
 DESCRIPTORS ***** CARBON TETRACHLORIDE;VCM;INHALATION;RATS;LIVER;EFFECTS;1,1-DICHLOROETHYLENE;
 HELD TERMS 1,1-DIFLUOROETHYLENE;2-CHLOROBUTADIENE;1,1-DIBROMOETHYLENE;
 REVIEW YEAR 1990

Item 106

ACCESSION NUMBER 2430
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER: ANNUAL OCCURRENCE AND AETIOLOGY IN GREAT BRITAIN.
 AUTHOR/AFFILIATION BAXTER PJ,NONE;ANTHONY PP,NONE;MACSHEEN RNM,NONE;SCHEUER PJ,NONE;
 ORIGIN BRITISH J OF INDUSTRIAL MEDICINE,VOL 37 PP.213-221;
 DATE 1980
 ABSTRACT THE ANNUAL OCCURRENCE OF ANGIOSARCOMA OF THE LIVER IN BRITAIN FROM 1963 TO 1977 WAS STUDIED. 35
 CASES WERE CONFIRMED. 8 CASES WERE ATTRIBUTABLE TO THOROTRAST AND 2 TO VCM. ONE CASE APPEARED TO
 BE ATTRIBUTABLE TO ARSENICAL INTOXICATION.
 DESCRIPTORS ***** VCM;THOROTRAST;ARSENIC;ANGIOSARCOMA;HUMAN;EFFECTS
 HELD TERMS ARSENICALS;
 REVIEW YEAR 1991

Item 107

ACCESSION NUMBER 2429

BFG51953

data search on vcm for craig algut
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20867035

FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT PROPORTIONAL MORTALITY AMONG VINYL-CHLORIDE WORKERS.
AUTHOR/AFFILIATION MONSON RR,NONE;PETERS JM,NONE;JOHNSON MN,NONE;
ORIGIN THE LANCET, PP.397-398;
DATE 1974
ABSTRACT A PROPORTIONAL MORTALITY STUDY OF 161 VCM WORKERS IS REPORTED. EXCESS CANCERS OF THE LIVER,
BILIARY TRACT, LUNG, AND BRAIN WERE NOTED.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;EPIDEMIOLOGY;CARCINOGENICITY
REVIEW YEAR 1991

Item 108

ACCESSION NUMBER 2428
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT IN VIVO OBSERVATIONS OF SKIN CAPILLARIES IN WORKERS EXPOSED TO VINYL CHLORIDE.
AUTHOR/AFFILIATION MARICQ HR,NONE;DARKE CS,NONE;ARCHIBALD RMCL,NONE;LEROY EC,NONE;
ORIGIN BRITISH J OF INDUSTRIAL MEDICINE,VOL 35 NO.1 PP.1-7;
DATE 1978
ABSTRACT VCM-EXPOSED EMPLOYEES FROM A PVC PRODUCTION PLANT IN ENGLAND WERE EXAMINED BY IN VIVO CAPILLARY
MICROSCOPY. ABNORMALITIES WERE NOTED.
DESCRIPTORS ***** VCM;PVC;IN VIVO;SCLERODERMA;
HELD TERMS CAPILLARY ABNORMALITIES;
KWIC INDEX NUMBER 03753
REVIEW YEAR 1990

Item 109

ACCESSION NUMBER 2427
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE BLASTOGENIC HAZARD OF VINYL CHLORIDE (A CLINICO-HYGIENIC AND EPIDEMIOLOGICAL STUDY).
AUTHOR/AFFILIATION FILATOVA VS,NONE;
ORIGIN NONE,VOL 1 PP.28-31;
DATE 1982
DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;EPIDEMIOLOGY;CARCINOGENICITY
HELD TERMS GIG.TR.PROF.ZABOL.;
KWIC INDEX NUMBER 05107
REVIEW YEAR 1990

Item 110

ACCESSION NUMBER 2426
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT MORTALITY AND CANCER MORBIDITY IN WORKERS IN THE SWEDISH PVC-PROCESSING INDUSTRY
AUTHOR/AFFILIATION HOLMBERG B,NONE;ELOFSSON S,NONE;HOLMLUND L,NONE;MAASING R,NONE;MOLINA G,NONE;WESTERHOLM P,NONE;
ORIGIN ICI, FOR APME MEETING IN SHEDEN;
DATE 1979

BFG51954

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Order number 901119-133245-MIZ -001-001
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DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;EPIDEMIOLOGY;CARCINOGENICITY
KNIC INDEX NUMBER 05101
REVIEW YEAR 1990

Item 111

ACCESSION NUMBER 2424
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT INVESTIGATION OF THE DISEASES PRODUCED BY VINYL CHLORIDE.
AUTHOR/AFFILIATION SUCIU I,NONE;DREJMAN I,NONE;VALASKAI M,NONE;
ORIGIN MEDICINA INTERNA (BUCHAREST),VOL 15 PP.967-978;
DATE 1963
ABSTRACT EFFECTS NOTED: NARCOTIC, EUPHORIA, ANEBRIATION, DYSPEPTIC DISTURBANCES, HEPATOMEGALY,
SPLENOMEGALY, ACROOSTEOLYSIS, DERMATITIS, SCLERODERMA.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;ACUTE;CHRONIC;SCLERODERMA;ACROOSTEOLYSIS
KNIC INDEX NUMBER 05100
REVIEW YEAR 1990

Item 112

ACCESSION NUMBER 2423
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE TOXICITY OF VINYL CHLORIDE AS DETERMINED BY REPEATED EXPOSURE OF LABORATORY ANIMALS.
AUTHOR/AFFILIATION TORKELSON TR,NONE;OYEN F,NONE;ROME VK,NONE;
ORIGIN J OF AIHA,VOL 22 NO.5 PP.354-361;
DATE 1961
DESCRIPTORS ***** VCM;INHALATION;GUINEA PIGS;RATS;DOGS;RABBITS;CHRONIC;EFFECTS
KNIC INDEX NUMBER 05099
REVIEW YEAR 1990

Item 113

ACCESSION NUMBER 2422
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT MUTAGENIC EFFECTS OF VINYL CHLORIDE ON DROSOPHIA MELANOGASTER WITH AND WITHOUT PRETREATMENT WITH
SODIUM PHENOBARBITURATE.
AUTHOR/AFFILIATION MAGNUSSON J,NONE;RAMEL C,NONE;
ORIGIN MUTATION RESEARCH, VOL 57 PP.307-312;
DATE 1978
ABSTRACT TREATMENT OF DROSOPHIA MALES WITH 1-20% VCM IN AIR GAVE AN INCREASED FREQUENCY OF COMPLETE AND
MOSAIC RECESSIVE LETALS. PRETREATMENT WITH PHENOBARBITURATE FOR 24 HR CAUSED AN INCREASE IN THE
MUTAGENIC EFFECT OF VCM. THIS INDICATES THAT THE MIXED FUNCTION OXIDASE SYSTEM CAN BE INDUCED IN
DROSOPHILA.
DESCRIPTORS ***** VCM;MUTAGENICITY;IN VIVO
HELP TERMS DROSOPHILA;
KNIC INDEX NUMBER 05097
REVIEW YEAR 1990

BFG51955

20867037

Item 114

ACCESSION NUMBER 2420
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT EXPERIMENTAL CHRONIC POISONING WITH VINYL CHLORIDE (MONOCHLOROETHENE).
AUTHOR/AFFILIATION PRODAN L,NONE;SUCIU I,NONE;PISLARU V,NONE;ILEA E,NONE;PASCU L,NONE;
ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,VOL 246 PP.159-163;
DATE 1975
ABSTRACT VCM EFFECTED GROWTH IN GUINEA PIGS. LESIONS WERE OBSERVED IN THE LIVER KIDNEYS, SPLEEN, AND LUNGS. VITAMIN C REDUCED THE SEVERITY OF THE LESIONS. REVERSIBILITY OF HEPATORENAL LESIONS WERE OBSERVED WHEN EXPOSURE WAS INTERRUPTED. FIBROTIC LESIONS IN THE LUNG WERE OBSERVED.
DESCRIPTORS ***** VCM;INHALATION;GUINEA PIGS;CHRONIC
HELD TERMS VITAMIN C;
KNIC INDEX NUMBER 05042
REVIEW YEAR 1990

Item 115

ACCESSION NUMBER 2419
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT EPIDEMIOLOGICAL STUDIES OF VINYL CHLORIDE HEALTH EFFECTS IN THE UNITED STATES.
AUTHOR/AFFILIATION FALK H,NONE;WAXNEILER RJ,NONE;
ORIGIN NONE,VOL 69 PP.303-305;
DATE 1976
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;EPIDEMIOLOGY
HELD TERMS PROC.ROY.SOC.MED.;PROCEEDINGS ROYAL SOCIETY MEDICINE;
KNIC INDEX NUMBER 05040
REVIEW YEAR 1990

Item 116

ACCESSION NUMBER 2417
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CHANGES IN THE ARTERIES IN THE HAND AND FINGERS DUE TO VINYL CHLORIDE EXPOSURE.
AUTHOR/AFFILIATION KOISCHMITZ D,NONE;MARSTELLER HJ,NONE;LACKNER K,NONE;BRECHT G,NONE;BRECHT T,NONE;
ORIGIN NONE,VOL 132 NO.1 PP.62-68;
DATE 1980
DESCRIPTORS ***** VCM;ACROOSTEOLYSIS;HUMAN;EFFECTS
HELD TERMS FORTSCHR GEB RONTGENSTR NUKLEARMED;
KNIC INDEX NUMBER 05007
REVIEW YEAR 1990

Item 117

ACCESSION NUMBER 2416
FILE LOCATION GEN

BFG51956

20867038

BFG51957

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DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT ANGIOSARCOMES DU FOIE CHEZ DES OUVRIERS AYANT ETE EN CONTACT PROLONGE AVEC LE CHLORURE DE VINYLE: EPIDEMIOLOGIE ET PROGRAMME DE RESHERCHES CHEZ LES OUVRIERS.
 AUTHOR/AFFILIATION MAKK L,NONE;DELRME F,NONE;CREECH JL,BFG;
 ORIGIN NONE,VOL 104 PP.1833-1835;
 DATE 1975
 ABSTRACT ALL OF THE 1183 EMPLOYEES OF ONE OF TWO PLANTS WERE TESTED. THREE NEW CASES OF ANGIOSARCOMA WERE DISCOVERED.
 DESCRIPTORS ***** VCM;ANGIOSARCOMA;HUMAN;EFFECTS;EPIDEMIOLOGY
 HELD TERMS TOME;
 KMIC INDEX NUMBER 04989
 REVIEW YEAR 1990

Item 118

ACCESSION NUMBER 2415
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT CHROMOSOMAL ANALYSES IN VINYL CHLORIDE EXPOSED WPKERS; RESULTS FROM ANALYSIS 18 AND 42 MONTHS AFTER AN INITIAL SAMPLING.
 AUTHOR/AFFILIATION ANDERSON D,NONE;RICHARDSON CR,NONE;WEIGHT TH,NONE;PURCHASE IFH,NONE;ADAMS MGF,NONE;
 ORIGIN MUTATION RESEARCH, VOL 79 PP.151-162;
 DATE 1980
 ABSTRACT THE AUTHORS REPORT THAT A REDUCTION IN EXPOSURE TO VCM WAS ACCOMPANIED BY A REDUCTION IN CHROMOSOMAL ABNORMALITIES IN WORKERS TO LEVELS INDISTINGUISHABLE FROM CONTROLS.
 DESCRIPTORS ***** VCM;HUMAN;EFFECTS;NORKERS;MUTAGENICITY;CHROMOSOMAL ABNORMALITIES;LYMPHOCYTES
 HELD TERMS CHROMOSOMES;
 KMIC INDEX NUMBER 04988
 REVIEW YEAR 1995

Item 119

ACCESSION NUMBER 2413
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT NEUROLOGICAL CHANGES IN VINYL CHLORIDE-EXPOSED WORKERS.
 AUTHOR/AFFILIATION STIBLOVA V,NONE;LAMBL V,NONE;CHUMCAL O,NONE;KELLEROVA V,NONE;PASKOVA V,NONE;VITOYCOVA J,NONE;
 ORIGIN ZLAB L,NONE;
 DATE NONE,VOL 25 NO.3 PP.233-243;
 1981
 ABSTRACT SOME OF THE NEUROLOGIC MANIFESTATIONS ARE CAUSED BY THE NARCOTIC ACTION OF VCM, SUCH AS CERTAIN SUBJECTIVE COMPLAINTS AND CEREBELLAR AND/OR VESTIBULOCEREBELLAR SYNDROME. THESE SYMPTOMS CAN BE TRANSITORY OR PERSISTENT. CHARACTERISTIC OF VCM ARE PERIPHERAL VASOMOTOR EFFECTS. LESIONS OF THE PERIPHERAL BLOOD VESSELS AND NEURONS WERE NOTED. ABNORMAL EEG WAS DISCUSSED.
 DESCRIPTORS ***** VCM;ACROOSTEOLYSIS;RAYNAUD'S SYNDROME;HUMAN;EFFECTS
 HELD TERMS J OF HYGIENE;EPIDEMIOLOGY;MICROBIOLOGY;IMMUNOLOGY;
 KMIC INDEX NUMBER 04983
 REVIEW YEAR 1990

20867039

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Item 120

ACCESSION NUMBER 2412
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT MUTAGENICITY AND TERATOGENICITY OF VINYL CHLORIDE MONOMER (VCM).
AUTHOR/AFFILIATION CLEMMESSEN J,NONE;
ORIGIN MUTATION RESEARCH, VOL 98 PP.97-100;
DATE 1982
DESCRIPTORS ***** VCM;EPIDEMIOLOGY;MUTAGENICITY;TERATOGENICITY;HUMAN;EFFECTS
KNIC INDEX NUMBER 04982
REVIEW YEAR 1990

Item 121

ACCESSION NUMBER 2411
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CHEMOTHERAPY OF VINYL CHLORIDE-ASSOCIATED HEPATIC ANGIOSARCOMA.
AUTHOR/AFFILIATION DANNAHER CL,NONE;TAMBURRO CH,NONE;YAM LT,NONE;
ORIGIN CANCER, VOL 47 PP.466-469;
DATE 1981
ABSTRACT SYSTEMIC CHEMOTHERAPY WAS STUDIED IN A GROUP OF FOUR PATIENTS WHO HAD VCM-ASSOCIATED ANGIOSARCOMA. FURTHER INFORMATION IS NEEDED FOR SPECIFIC RECOMMENDATIONS, BUT CHEMOTHERAPY DOES APPEAR TO BE OF VALUE.
DESCRIPTORS ***** VCM;ANGIOSARCOMA;HUMAN;EFFECTS;CHEMOTHERAPY
KNIC INDEX NUMBER 04981
REVIEW YEAR 1990

Item 122

ACCESSION NUMBER 2410
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CANCER MORTALITY OF A GROUP OF CANADIAN WORKERS EXPOSED TO VINYL CHLORIDE MONOMER.
AUTHOR/AFFILIATION THERIAULT G,NONE;ALLARD P,NONE;
ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 23(10) PP.671-676;
DATE 1981
ABSTRACT THE MORTALITY OF 451 VCM-EXPOSED WORKERS WAS COMPARED WITH THAT OF 870 NONEXPOSED WORKERS. THE RELATIVE RISK OF DIGESTIVE CANCER WAS ELEVATED BUT ALSO HIGHER IN THE GENERAL POPULATION. NO OTHER CANCER WAS IN EXCESS.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;EPIDEMIOLOGY
KNIC INDEX NUMBER 04976
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Item 123

ACCESSION NUMBER 2409
FILE LOCATION GEN

BFG51958

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DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT VINYL CHLORIDE MONOMER-INDUCED DISEASE: CLINICAL, RADIOLOGICAL AND IMMUNOLOGICAL ASPECTS.
AUTHOR/AFFILIATION GRAINGER RG,NONE;WALKER AE,NONE;WARD AM,NONE;
ORIGIN NONE;CHAPTER 11 PP.191-214;
DATE 1980
DESCRIPTORS ***** VCM;HUMAN;EFFECTS
HELD TERMS INDUCED DISEASE:DRUG,IRRADIATION,OCCUPATION;
KWIC INDEX NUMBER 04973
REVIEW YEAR 1990

Item 124

ACCESSION NUMBER 2408
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT POWER CONSIDERATIONS IN EPIDEMIOLOGIC STUDIES OF VINYL CHLORIDE WORKERS.
AUTHOR/AFFILIATION BEAUMONT JJ,NONE;BRESLOW NE,NONE;
ORIGIN AMERICAN J OF EPIDEMIOLOGY,VOL 114 NO.5 PP.725-734;
DATE 1981
ABSTRACT WHEN POWER WAS TAKEN INTO CONSIDERATION, THE RESULTS FOR LIVER, LUNG, AND BRAIN CANCER WERE FOUND TO BE CONSISTENT WITH AN ETIOLOGIC ROLE FOR VCM. LUNG CANCER WAS NOT ASSOCIATED WITH VCM.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;CARCINOGENICITY;LUNG;BRAIN;LIVER;EPIDEMIOLOGY
KWIC INDEX NUMBER 04965
REVIEW YEAR 1991

Item 125

ACCESSION NUMBER 2407
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT ANGIOSARCOMA OF THE PENIS WITH HEPATIC ANGIOMAS IN A PATIENT WITH LOW VINYL CHLORIDE EXPOSURE.
AUTHOR/AFFILIATION GHANDUR-MNAYMNEH L,NONE;GONZALEZ MS,NONE;
ORIGIN CANCER, VOL 47 PP.1318-1324;
DATE 1981
DESCRIPTORS ***** VCM;ANGIOSARCOMA;BODY PARTS;HUMAN;EFFECTS
HELD TERMS PENIS;
KWIC INDEX NUMBER 04960
REVIEW YEAR 1991

Item 126

ACCESSION NUMBER 2402
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT AN EPIDEMIOLOGICAL STUDY OF VINYL CHLORIDE EXPOSED WORKERS IN ITALY.
AUTHOR/AFFILIATION BERTZZI PA,NONE;VILLA A,NONE;FOA V,NONE;SAIA B,NONE;FABBRI L,NONE;MAPP C,NONE;MARCEC C,NONE;
ORIGIN MANNO M,NONE;MARCHI M,NONE;MARIANI F,NONE;BOTTASSO F,NONE;
DATE NONE,VOL 30 PP.379-397;
1979
ABSTRACT AMONG THE EXPOSED WORKERS WHO HAD DIED, A HIGH PERCENTAGE OF TUMORS AS CAUSE OF DEATH WAS

BFG51959

data search on vcm for craig elgut
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DESCRIPTORS ***** OBSERVED; 30% NERE OF THE LIVER AND BILIARY SYSTEM. THREE NERE ANGIOSARCOMAS OF THE LIVER.
VCM;PVC;HUMAN;EFFECTS;EPIDEMIOLOGY
HELD TERMS ARH.HIG.RADA.TOKSIKOL.;
KNIC INDEX NUMBER 04955
REVIEW YEAR 1991

Item 127

ACCESSION NUMBER 2400
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT VINYL CHLORIDE MONOMER LEVELS IN EDIBLE FATS.
AUTHOR/AFFILIATION FUCHS G,NONE;GAMMELL BM,NONE;ALBANUS L,NONE;SLORACH S,NONE;
ORIGIN NONE,VOL 27 NO.3 PP.134-145;
DATE 1975
ABSTRACT METHODS FOR ANALYSIS OF VCM IN EDIBLE FAT.
DESCRIPTORS ***** VCM;ANALYSIS;FAT
HELD TERMS VAR FODA;
KNIC INDEX NUMBER 04834
REVIEW YEAR 1990

Item 128

ACCESSION NUMBER 2399
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CHRONIC TOXIC LIVER DAMAGE IN THE CASE OF WORKERS IN PVC PRODUCTION.
AUTHOR/AFFILIATION MARSTELLER HJ,NONE;LELBACH HK,NONE;MULLER R,NONE;JUHE S,NONE;LANGE CE,NONE;ROHNER HG,NONE;
ORIGIN VELTMAN G,NONE;
DEUTSCH MED NSCHR,VOL 98 PP.2311-2314;
DATE 1973
ABSTRACT CLINICAL OBSERVATIONS ARE PROVIDED.
DESCRIPTORS ***** PVC;VCM;CHRONIC;HUMAN;EFFECTS;LIVER
KNIC INDEX NUMBER 04833
REVIEW YEAR 1990

Item 129

ACCESSION NUMBER 2398
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE SO-CALLED VINYL CHLORIDE DISEASE.
AUTHOR/AFFILIATION JUHE S,NONE;LANGE CE,NONE;STEIN G,NONE;VELTMAN G,NONE;
ORIGIN DEUTSCH MED NSCHR,VOL 43 PP.2034-2037;
DATE 1973
DESCRIPTORS ***** VCM;HUMAN;EFFECTS
KNIC INDEX NUMBER 04831
REVIEW YEAR 1990

BFG51960

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20867042

Item 130

ACCESSION NUMBER 2397
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT VINYL CHLORIDE AND ANGIOSARCOMA.
AUTHOR/AFFILIATION BLOCK JB,NONE;
ORIGIN NONE,VOL 72 NO.9 PP.483-486;
DATE 1974
ABSTRACT CLINICAL AND PATHOLOGICAL FINDINGS ASSOCIATED WITH ANGIOSARCOMA OF THE LIVER ARE DISCUSSED.
DIAGNOSIS AND TREATMENT ARE CONSIDERED.
DESCRIPTORS ***** VCM;ANGIOSARCOMA;HUMAN;EFFECTS;PATHOLOGY
HELD TERMS J OF THE KENTUCKY MEDICAL ASSOCIATION;
KNIC INDEX NUMBER 04830
REVIEW YEAR 1990

Item 131

ACCESSION NUMBER 2396
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE VALUE OF PREDICTIVE EXPERIMENTAL ENVIRONMENTAL CARCINOGENESIS AN EXAMPLE: VINYL CHLORIDE.
AUTHOR/AFFILIATION MALTONI C,NONE;
ORIGIN AMBIO, VOL 4(1) PP.18-23;
DATE 1975
ABSTRACT STUDIES SHOW THAT VCM CAUSES CANCER IN RATS, MICE, AND HAMSTERS (ANGIOSARCOMA AND POSSIBLY OTHER TUMORS).
DESCRIPTORS ***** VCM;CARCINOGENICITY;RATS;MICE;HAMSTERS;INHALATION;ANGIOSARCOMA;CHRONIC;EFFECTS
KNIC INDEX NUMBER 04828
REVIEW YEAR 1990

Item 132

ACCESSION NUMBER 2395
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT HEPATIC ANGIOSARCOMA IN A VINYL CHLORIDE WORKER.
AUTHOR/AFFILIATION SMITH PM,NONE;WILLIAMS DMJ,NONE;EVANS DMD,NONE;
ORIGIN BULL.N.Y.ACAD.MED.,VOL 52 NO.4 PP.447-452;
DATE 1976
DESCRIPTORS ***** VCM;ANGIOSARCOMA;HUMAN;EFFECTS
KNIC INDEX NUMBER 04827
REVIEW YEAR 1991

Item 133

ACCESSION NUMBER 2394
FILE LOCATION GEN
DOCUMENT TYPE REPORT

BFG51961



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20867043

TITLE OR SUBJECT NEOPLASTIC RISK AMONG VINYL CHLORIDE POLYMERIZATION WORKERS.
 AUTHOR/AFFILIATION MAXNEILER RJ, NONE; STRINGER M, NONE; FALK H, NONE; CARTER C, NONE; JONES J, NONE; MAGNER JK, NONE;
 ORIGIN NONE, PRESENTED AT NYAS CONFERENCE;
 DATE 1975, MARCH 25
 ABSTRACT PAPER PRESENTED AT NYAS CONFERENCE ON THE EXCESS CANCER INCIDENCES OF THE BRAIN, LUNG, AND LIVER OBSERVATIONS.
 DESCRIPTORS ***** VCM; PVC; HUMAN; EFFECTS; CARCINOGENICITY; EPIDEMIOLOGY
 KWIC INDEX NUMBER 04825
 REVIEW YEAR 1990

Item 134

ACCESSION NUMBER 2393
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT HEMANGIOSARCOMA OF THE LIVER, CONNECTICUT.
 AUTHOR/AFFILIATION NONE, NONE;
 ORIGIN CDC, PUBLIC HEALTH SERVICE EPI-74-104-2;
 DATE 1974, OCTOBER 9
 ABSTRACT FROM JANUARY 1935 THROUGH DECEMBER 1973, 8 CASES OF ANGIOSARCOMA OF THE LIVER WERE REPORTED TO THE CONNECTICUT TUMOR REGISTRY.
 DESCRIPTORS ***** ANGIOSARCOMA; VCM; PVC; HUMAN; EFFECTS
 KWIC INDEX NUMBER 04823
 REVIEW YEAR 1991

Item 135

ACCESSION NUMBER 2392
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT EFFECT OF OCCUPATIONAL AND NONOCCUPATIONAL FACTORS ON THE RESPIRATORY SYSTEM OF VINYL CHLORIDE AND OTHER WORKERS.
 AUTHOR/AFFILIATION GAMBLE J, NONE; LIU S, NONE; MICHAEL AJ, NONE; MAXNEILER RJ, NONE;
 ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 18(10) PP.659-670;
 DATE 1976
 ABSTRACT VCM HAS NOT ASSOCIATED WITH CHRONIC RESPIRATORY EFFECTS.
 DESCRIPTORS ***** VCM; PVC; EPIDEMIOLOGY; HUMAN; EFFECTS; LUNG; RESPIRATORY EFFECTS
 KWIC INDEX NUMBER 04818
 REVIEW YEAR 1990

Item 136

ACCESSION NUMBER 2391
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT RESOLUTION OF DOSE-RESPONSE TOXICITY DATA FOR CHEMICALS REQUIRING METABOLIC ACTIVATION: EXAMPLE-VINYL CHLORIDE.
 AUTHOR/AFFILIATION GEHRING PJ, DON CHEMICAL CO; HATANABE PG, SAME; PARK CN, SAME;
 ORIGIN TOXICOLOGY AND APPLIED PHARMACOLOGY, VOL 44 PP.581-591;
 DATE 1978

BFG51962

20867044

data search on vcm for craig algot
Order number 901119-133245-MIZ -001-001
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ABSTRACT ASSUMING NO THRESHOLD IN SPITE OF EVIDENCE TO THE CONTRARY, EXTRAPOLATION OF THE DATA BELOW THE RANGE OF DOSES CAUSING EXPERIMENTALLY OBSERVABLE RESPONSES PREDICTED AN INCIDENCE OF 0.01% HEPATIC ANGIOSARCOMA IN THE RATS EXPOSED TO 4.6 PPM OF VCM. THEORETICAL EXTENSION OF THE EXTRAPOLATION TO HUMANS AFTER ADJUSTING FOR METABOLIC AND BODY MASS DIFFERENCES WAS UNDERTAKEN. THE THEORETICAL EXTRAPOLATION FOR MAN EXPOSED DAILY FOR 8 HR TO 1 PPM SUGGESTS AN INCIDENCE OF 1.5 PER 100,000,000. THIS THEORETICAL INCIDENCE, ALTHOUGH A LIKELY OVERESTIMATE BECAUSE OF A LESS THAN PREDICTED INCIDENCE IN MEN EXPOSED TO 200 PPM AND GREATER, AS WELL AS EVIDENCE FOR A THRESHOLD IN RATS, IS LESS THAN THAT EXPECTED TO OCCUR SPONTANEOUSLY.

DESCRIPTORS ***** VCM;RATS;HUMAN;PHARMACOKINETICS;CARCINOGENICITY;INCIDENCE;
KNIC INDEX NUMBER 04816
REVIEW YEAR 1990

Item 137

ACCESSION NUMBER 2390
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CHARACTERISTICS OF CASES OF ANGIOSARCOMA OF THE LIVER AMONG VINYL CHLORIDE WORKERS IN THE UNITED STATES.
AUTHOR/AFFILIATION HEATH CH,CDC;FALK H,CDC;CREECH JL,BFG;
ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,VOL 246 PP.231-236;
DATE 1975
ABSTRACT A TOTAL OF 13 CASES OF ASL HAVE BEEN DOCUMENTED AMONG VCM WORKERS. AVERAGE LATENCY WAS 20.3 YRS.
DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;EPIDEMIOLOGY
KNIC INDEX NUMBER 04815
REVIEW YEAR 1991

Item 138

ACCESSION NUMBER 2389
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT MORTALITY EXPERIENCE OF A COHORT OF VINYL CHLORIDE-POLYVINYL CHLORIDE WORKERS.
AUTHOR/AFFILIATION NICHOLSON WJ,NONE;HAMMOND EC,NONE;SEIDMAN H,NONE;SELIKOFF IJ,NONE;
ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,VOL 246 PP.225-230;
DATE 1975
ABSTRACT THESE DATA ARE DERIVED FROM EARLY FOLLOW-UP OF INDIVIDUALS EXPOSED FOR 5 OR MORE YEARS TO VCM IN A POLYMERIZATION FACILITY. AT LEAST 17% OF THE DEATHS THAT OCCURRED WERE CAUSALLY RELATED TO EXPOSURE TO VCM. LONGER PERIODS OF OBSERVATION ARE REQUIRED TO PROVIDE INFORMATION CONCERNING THE FULL SPECTRUM OF VCM-INDUCED MALIGNANCIES AND THEIR INCIDENCE AMONG EXPOSED WORKERS.

DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;EPIDEMIOLOGY
KNIC INDEX NUMBER 04814
REVIEW YEAR 1991

Item 139

ACCESSION NUMBER 2388
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER IN THE MANUFACTURE OF POLYVINYL CHLORIDE

BFG51963

data search on vcm for craig elgut

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AUTHOR/AFFILIATION CREECH JL,BFG;JOHNSON MN,BFG;
ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 16(3) PP.150-151;
DATE 1974
ABSTRACT THREE REPORTED CASES OF ANGIOSARCOMA OF THE LIVER SERVE AS AN ALERT TO THE PROBABILITY THAT THIS CONDITION MAY, IN SOME INSTANCES, BE CAUSALLY RELATED TO EMPLOYMENT IN THE MANUFACTURE OF POLYVINYL CHLORIDE RESINS.
DESCRIPTORS ***** VCM;PVC;ANGIOSARCOMA;HUMAN;EFFECTS;EPIDEMIOLOGY
KNIC INDEX NUMBER 04811
REVIEW YEAR 1991

Item 140

ACCESSION NUMBER 2387
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT CLINICAL AND MORPHOLOGICAL FEATURES OF HEPATIC ANGIOSARCOMA IN VINYL CHLORIDE WORKERS.
AUTHOR/AFFILIATION MARK L,NONE;DELOIRME F,NONE;CREECH JL,NONE;OGDEN LL,NONE;FADELL EH,NONE;SONGSTER CL,NONE;CLANTON J,NONE;JOHNSON MN,NONE;CHRISTOPHERSON NM,NONE;
ORIGIN CANCER, VOL 37(1) PP.149-163;
DATE 1976
ABSTRACT FIFTEEN MALE WORKERS EXPOSED TO VCM DEVELOPED ANGIOSARCOMA OF THE LIVER.
DESCRIPTORS ***** VCM;ANGIOSARCOMA;HUMAN;EFFECTS;EPIDEMIOLOGY;
HELD TERMS HEPATOMEGALY;SPLENOMEGALY;
KNIC INDEX NUMBER 04810
REVIEW YEAR 1991

Item 141

ACCESSION NUMBER 2386
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER FOLLOWING VINYL CHLORIDE EXPOSURE.
AUTHOR/AFFILIATION BLOCK JB,NONE;
ORIGIN JAMA, VOL 229 PP.53-54;
DATE 1974
ABSTRACT ANGIOSARCOMA OF THE LIVER IS REPORTED IN SIX VCM-EXPOSED WORKERS.
DESCRIPTORS ***** VCM;ANGIOSARCOMA;HUMAN;EFFECTS;LIVER
KNIC INDEX NUMBER 04809
REVIEW YEAR 1990

Item 142

ACCESSION NUMBER 2385
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT MONITORING LIVER DISORDERS IN VINYL CHLORIDE MONOMER WORKERS USING GREYSCALE ULTRASONOGRAPHY.
AUTHOR/AFFILIATION WILLIAMS DMJ,NONE;SMITH PH,NONE;TAYLOR KJH,NONE;CROSSLEY IR,NONE;DUCK BN,NONE;
ORIGIN BRITISH J OF INDUSTRIAL MEDICINE,VOL 33 PP.152-157;
DATE 1976
ABSTRACT ULTRASONOGRAPHY SHOWS SOME ADVANTAGES.

BFG51964

data search on vcm for craig elgut
Order number 901119-133245-MIZ -001-001
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20867046

DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;DETERMINATION;CARCINOGENICITY;LIVER
KMIC INDEX NUMBER 04794
REVIEW YEAR 1990

Item 143

ACCESSION NUMBER 2384
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT BREAST CANCER MORTALITY AMONG PVC FABRICATORS.
AUTHOR/AFFILIATION CHIAZZE L,NONE;MONO O,NONE; NICHOLS ME,NONE; FERENC L,D,NONE;
ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 22(10) PP.677-679;
DATE 1980
ABSTRACT A CASE-CONTROL ANALYSIS OF BREAST CANCER DEATHS AMONG PVC FABRICATORS IS PRESENTED. THIS STUDY IS AN EXTENSION OF A CROSS-SECTIONAL MORTALITY STUDY OF DEATHS OCCURRING AMONG 17 PVC FABRICATORS (1964 TO 1973). RELATIVE RISK ESTIMATES WERE DERIVED AND TESTED. ALTHOUGH NO STATISTICALLY SIGNIFICANT RELATIVE RISKS WERE FOUND, A LEAST SIGNIFICANT RELATIVE RISK WOULD HAVE TO BE ON THE ORDER OF THREE TO ONE IN ORDER TO BE DETECTED. THERE DOES SEEM TO BE REASONABLE ASSURANCE THAT VERY LARGE INCREASES IN RISK FOR BREAST CANCER DO NOT EXIST AMONG THESE PVC FABRICATORS.

DESCRIPTORS ***** PVC;VCM;CARCINOGENICITY;HUMAN;EFFECTS;BREAST;CANCER;EPIDEMIOLOGY
KMIC INDEX NUMBER 04783
REVIEW YEAR 1991

Item 144

ACCESSION NUMBER 2383
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT REPORT ON MR. JOHN GRASSO.
AUTHOR/AFFILIATION EPSTEIN SS,NONE;
ORIGIN NONE,BY SAMUEL S. EPSTEIN;
DATE 1980
ABSTRACT TESTIMONY IN GRASSO VS BFG.
DESCRIPTORS ***** VCM;ANGIOSARCOMA;
HELD TERMS LITIGATION;
KMIC INDEX NUMBER 04723
REVIEW YEAR 1990

Item 145

ACCESSION NUMBER 2382
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT COMPARATIVE MAHALIAN METABOLISM OF VINYL AND VINYLIDENE CHLORIDES IN RELATION TO ONCOGENIC POTENTIAL.
AUTHOR/AFFILIATION HATHWAY DE,NONE;
ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 21 PP.55-59;
DATE 1977
DESCRIPTORS ***** VCM;METABOLISM
KMIC INDEX NUMBER 04718

BFG51965

data search on vcm for craig elgut
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Item 146

ACCESSION NUMBER 2381
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE CHEMISTRY AND BIOGENESIS OF THE S-CONTAINING METABOLITES OF VINYL CHLORIDE IN RATS.
AUTHOR/AFFILIATION GREEN T,NONE;HATHWAY DE,NONE;
ORIGIN NONE,VOL 17 PP.137-150;
DATE 1977
ABSTRACT ADMINISTRATION OF SEVERAL VCM METABOLITES AND CLOSELY RELATED COMPOUNDS TO RATS SHOWS THAT CHLOROACETALDEHYDE AND S-(CARBOXYMETHYL)-CYSTEINE, BUT NOT CHLOROACETIC ACID, LIE ON A PATHWAY OR PATHWAYS CONNECTING VCM WITH THIODIGLYCOLLIC ACID.
DESCRIPTORS ***** VCM;ORAL;METABOLISM;RATS
HELD TERMS CHEMICAL-BIOLOGICAL INTERACTIONS;
KWIC INDEX NUMBER 04717
REVIEW YEAR 1990

Item 147

ACCESSION NUMBER 2380
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT THE REGULATION OF VINYL CHLORIDE: A CASE STUDY OF THE IMPACT AND IMPLICATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970.
AUTHOR/AFFILIATION OUTLAM RC,NONE;PERRY CR,NONE;
ORIGIN NONE;
DATE 1977
DESCRIPTORS ***** VCM;OSHA;ANALYSIS;
HELD TERMS UNIV OF PENNSYLVANIA;
KWIC INDEX NUMBER 04707
REVIEW YEAR 1990

Item 148

ACCESSION NUMBER 2379
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT EFFECTS OF VINYL CHLORIDE EXPOSURE ALONE AND IN COMBINATION WITH TRYPAN BLUE-APPLIED SYSTEMATICALLY DURING ALL THIRDS OF PREGNANCY ON THE FETUSES OF CFY RATS.
AUTHOR/AFFILIATION UNGVARY GY,NONE;HUDAK A,NONE;TATRAI E,NONE;LORINCZ M,NONE;FOLLY G,NONE;
ORIGIN NONE,VOL 11 PP.45-54;
DATE 1978
ABSTRACT VCM WAS FOUND TO CROSS THE PLACENTAL BARRIER. NO TERATOGENIC EFFECT WAS FOUND IN RATS. INCREASED FETAL MORTALITY AND EMBRYOTOXICITY WERE ONLY OBSERVED DURING THE FIRST TRIMESTER.
DESCRIPTORS ***** VCM;RATS;TERATOGENICITY;FETAL TOXICITY;EMBRYOTOXICITY;
HELD TERMS TOXICOLOGY;PLACENTAL TRANSFER;
KWIC INDEX NUMBER 04706
REVIEW YEAR 1990

BFG51966

20867048

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ACCESSION NUMBER 2377
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT MORTALITY EXPERIENCE OF WORKERS EXPOSED TO VINYL CHLORIDE MONOMER IN THE MANUFACTURE OF POLYVINYL CHLORIDE IN GREAT BRITAIN.
AUTHOR/AFFILIATION FOX AJ,NONE;COLLIER PF,NONE;
ORIGIN BJIM, VOL 34 PP.1-10;
DATE 1977
ABSTRACT IN A STUDY OF 7000 PVC POLYMERIZATION WORKERS FOUR CASES OF LIVER CANCER WAS FOUND. TWO WERE ANGIOSARCOMAS. ONLY LIVER CANCERS WERE ASSOCIATED WITH EXPOSURE TO VCM. THE TWO CASES OF ANGIOSARCOMA WERE IN MEN WHO HAD BEEN EXPOSED TO HIGH CONCENTRATIONS OF VCM.
DESCRIPTORS ***** VCM;ANGIOSARCOMA;EPIDEMIOLOGY;LIVER;CANCER;HUMAN;EFFECTS
KWIC INDEX NUMBER 04646
REVIEW YEAR 1990

Item 150

ACCESSION NUMBER 2376
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT INDUCTION OF GENE MUTATIONS AND GENE CONVERSIONS BY VINYL CHLORIDE METABOLITES IN YEAST.
AUTHOR/AFFILIATION LOPRIENO N,NONE;BARALE R,NONE;BARONCELLI S,NONE;BARTSCH H,NONE;BRONZETTI G,NONE;CAMMELLINI C,NONE;CORSI C,NONE;FREZZA D,NONE;NIERI R,NONE;LEPORINI C,NONE;ROSELLINI D,NONE;ROSSI AM,NONE;
ORIGIN CANCER RESEARCH, VOL 36 PP.253-257;
DATE 1977
ABSTRACT CHLOROETHYLENE OXIDE INDUCED FORWARD MUTATION IN SCH. POMBE AND GENE REVERSION IN S. CEREVISIAE. 2-CHLOROACETALDEHYDE SHOWED ONLY FEEBLE GENETIC ACTIVITY. 2-CHLOROETHANOL WAS COMPLETELY INACTIVE.
DESCRIPTORS ***** VCM;MUTAGENICITY;CHLOROETHYLENE OXIDE;2-CHLOROACETALDEHYDE;
HELD TERMS 2-CHLOROETHANOL;YEAST;
KWIC INDEX NUMBER 04645
REVIEW YEAR 1990

Item 151

ACCESSION NUMBER 2375
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT VINYL CHLORIDE, BIRTH DEFECTS, AND FETAL MASTAGE: A CRITICAL REVIEW.
AUTHOR/AFFILIATION DOWNS TD,NONE;STALLONES RA,NONE;FRANKOWSKI RF,NONE;LABARTHE DR,NONE;
ORIGIN NONE;
DATE 1977
DESCRIPTORS ***** VCM;REPRODUCTION;BIRTH DEFECTS;TERATOLOGY;FETAL TOXICITY;HUMAN;EFFECTS
HELD TERMS SPI;SOCIETY OF PLASTICS INDUSTRY;
KWIC INDEX NUMBER 04588
REVIEW YEAR 1990

BFG51967

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Item 152

ACCESSION NUMBER 2374
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT TOXICOLOGY, CARCINOGENICITY AND REPRODUCTIVE EFFECTS OF SINGLE AND MULTIPLE EXPOSURES TO VINYL CHLORIDE IN RATS AND MICE.
 AUTHOR/AFFILIATION HEHIR RM,NONE;MCNAMARA BP,NONE;MCLAUGHLIN J,NONE;MILLIGANDA,NONE;BIERDOWER G,NONE;HARDISTY JF,NONE;
 ORIGIN NONE;
 DATE 1980
 ABSTRACT AUTHORS REPORTED AN INCREASED INCIDENCE OF PULMONARY ADENOMAS AND CARCINOMAS IN MICE EXPOSED TO 5000 AND 50,000 PPM VCM FOR ONE HOUR. ANIMALS WERE EXPOSED THEN HELD FOR ONE 18-24 MONTHS. NO TUMORIGENIC RESPONSE WAS OBSERVED IN RATS.
 DESCRIPTORS ***** VCM;INHALATION;DOSE EFFECTS;CARCINOGENICITY;MICE;RATS;ADENOMA;CARCINOMA;
 HELD TERMS PULMONARY ADENOMAS; CPSC;
 KWIC INDEX NUMBER 04576
 REVIEW YEAR 1990

Item 153

ACCESSION NUMBER 2371
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT COMPARISON OF THE FATE OF VINYL CHLORIDE FOLLOWING SINGLE AND REPEATED EXPOSURE IN RATS.
 AUTHOR/AFFILIATION MATANABE PG,DOM CHEMICAL CO;ZEMPEL JA,SAME;GEHRING PJ,SAME;
 ORIGIN TOXICOLOGY AND APPLIED PHARMACOLOGY, VOL 44 PP.391-399;
 DATE 1978
 ABSTRACT COVALENT BINDING TO MACROMOLECULES NOTED.
 DESCRIPTORS ***** VCM;METABOLISM;INHALATION;SUBCHRONIC;COVALENT BINDING;
 HELD TERMS MACROMOLECULES;
 KWIC INDEX NUMBER 04321
 REVIEW YEAR 1990

Item 154

ACCESSION NUMBER 2370
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT CHROMOSOMAL ANALYSES IN VINYL CHLORIDE-EXPOSED WORKERS.
 AUTHOR/AFFILIATION PURCHASE IFH,ICI;RICHARDSON CR,ICI;ANDERSON D,ICI;PADDLE GM,ICI;ADAMS HGF,ICI;
 ORIGIN MUTATION RESEARCH, VOL 57 PP.325-334;
 DATE 1978
 ABSTRACT THERE WAS A SIGNIFICANT INCREASE IN CHROMOSOMAL ABNORMALITIES IN THE EXPOSED WORKERS WHEN COMPARED TO CONTROLS.
 DESCRIPTORS ***** VCM;WORKERS;HUMAN;EFFECTS;CHROMOSOMAL ABERRATION;MUTAGENICITY
 KWIC INDEX NUMBER 04320
 REVIEW YEAR 1990

BFG51968

20867050

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Item 155

ACCESSION NUMBER 2369
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT HEPATO-SPLENIC ANGIOSARCOMA; PRESENTATION OF A REVIEW OF THE LITERATURE.
 AUTHOR/AFFILIATION LIBESKIND M,NONE;LUGAGNE F,NONE;MALBRAN J,NONE;VILLEMANT J-F,NONE;GUYET-ROUSSET P,NONE;
 ORIGIN NONE,VOL.1 PP.1027-1034;
 DATE 1977
 ABSTRACT THE AUTHORS REPORT THE CASE OF AN ADULT PATIENT WITH ANGIOSARCOMA OF THE LIVER AND SPLEEN.FROM THIS OBSERVATION AND THE OTHER REPORTED CASES (ABOUT 150) IN THE LITERATURE, THE AUTHORS DELIEATE THE CLINICAL FEATURES AND THE COUSE OF THIS TUMOR. VCM WAS REPORTED AS THE CAUSE IN MOST CASES BUT NOT THIS REPORTED CASE.
 DESCRIPTORS ***** VCM;ANGIOSARCOMA;HUMAN;EFFECTS;LIVER
 HELD TERMS GASTROENTEROLOGY CLINICAL BIOLOGY;
 KWIC INDEX NUMBER 04318
 REVIEW YEAR 1990

Item 156

ACCESSION NUMBER 2368
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT LUNG CANCER AT A POLYVINYL CHLORIDE (PVC) POLYMERIZATION FACILITY.
 AUTHOR/AFFILIATION FALK H,NONE;MAXNEILER RJ,NONE;HERBERT J,NONE;KUSCHNER M,NONE;AUERBACH O,NONE;MAKK L,NONE;TAMBUR
 C,NONE;
 ORIGIN NONE,NONE;
 DATE 1979
 ABSTRACT PVC IS SUGGESTED AS A POSSIBLE ETIOLOGICAL AGENT OF LUNG CANCER.
 DESCRIPTORS ***** PVC;LUNG;CARCINOGENICITY;HUMAN;EFFECTS;VCM;EPIDEMIOLOGY
 KWIC INDEX NUMBER 04163
 REVIEW YEAR 1990

Item 157

ACCESSION NUMBER 2367
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT AN EPIDEMIOLOGIC INVESTIGATION OF AN EXCESS LUNG CANCER RISK IN A SYNTHETIC CHEMICALS PLANT.
 AUTHOR/AFFILIATION MAXNEILER RJ,NIOSH;SMITH AH,UNIV OF NORTH CAROLINA;TYROLER HA,SAME;FALK H,NIOSH;
 ORIGIN NONE,DUBROVNIK YUGOSLAVIA;
 DATE 1978
 ABSTRACT AN EXCESS LUNG CANCER RISK WAS OBSERVED IN A COHORT OF 4984 MALES EMPLOYED AT A SYNTHETIC CHEMICALS PLANT. PVC WAS SUGGESTED AS THE POSSIBLE ETIOLOGICAL AGENT.
 DESCRIPTORS ***** PVC;VCM;LUNG;CARCINOGENICITY;EPIDEMIOLOGY;HUMAN;EFFECTS
 HELD TERMS XIX INTERNATIONAL CONGRESS ON OCCUPATIONAL HEALTH;
 KWIC INDEX NUMBER 04162
 REVIEW YEAR 1991

BFG51969

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BFG51970

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Item 158

ACCESSION NUMBER 2366
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT DEVELOPMENT OF HEPATIC ANGIOSARCOMA IN MAN INDUCED BY VINYL CHLORIDE, THOROTRAST, AND ARSENIC.
AUTHOR/AFFILIATION POPPER H,NONE;THOMAS LB,NONE;TELLES NC,NONE;FALK H,NONE;SELIKOFF IJ,NONE;
ORIGIN NONE,VOL.92 NO.2 PP.349-370;
DATE 1978
ABSTRACT EXAMPLES OF HUMAN ANGIOSARCOMA FOLLOWING EXPOSURE TO VCM, THOROTRAST, OR ARSENIC AND CASE, INCLUDING CHILDREN, OF UNKNOWN ETIOLOGY WERE STUDIED TO ESTABLISH DIAGNOSTIC CRITERIA AND TO STUDY THEIR EVOLUTION.
DESCRIPTORS ***** VCM;THOROTRAST;ARSENIC;ANGIOSARCOMA;HUMAN;EFFECTS
HELD TERMS AMERICAN J OF PATHOLOGY;
KWIC INDEX NUMBER 04146
REVIEW YEAR 1991

Item 159

ACCESSION NUMBER 2365
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT EPIDEMIOLOGICAL STUDY OF THE MORTALITY OF WORKERS EXPOSED TO VINYL CHLORIDE (VC) IN THE FRG.
AUTHOR/AFFILIATION REINH M,NONE;WEBER H,NONE;GREISER E,NONE;
ORIGIN UNKNOWN
DATE 1977
ABSTRACT GERMAN EPIDEMIOLOGY STUDY SHOWS SIGNIFICANTLY ELEVATED SMR'S FOR MANY DISEASES INCLUDING STOMACH, LIVER, LYMPH SYSTEM AND BLOOD.
DESCRIPTORS ***** VCM;HUMAN;EFFECTS;CHRONIC;CARCINOGENICITY
KWIC INDEX NUMBER 04145
REVIEW YEAR 1991

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ACCESSION NUMBER 2364
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT FATE OF 14C-VINYL CHLORIDE FOLLOWING INHALATION EXPOSURE IN RATS.
AUTHOR/AFFILIATION NATANABE PG,DON CHEMICAL CO;MCGOWEN GR,SAME;MADRID EO,SAME;GEHRING PJ,SAME;SAME;
ORIGIN TOXICOLOGY AND APPLIED PHARMACOLOGY, VOL 37 PP.49-59;
DATE 1976
DESCRIPTORS ***** VCM;METABOLISM;INHALATION;RATS;DISPOSITION;
HELD TERMS METABOLIC FATE;DISTRIBUTION;
KWIC INDEX NUMBER 04125
REVIEW YEAR 1990

Item 161

ACCESSION NUMBER 2361

20867052

BFG51971

data search on vcm for craig elgut
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FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT EXPERIMENTAL STUDIES ON THE CHRONIC TOXIC EFFECTS OF VINYL CHLORIDE IN RATS.
 AUTHOR/AFFILIATION SOKAL JA,NONE;BARANSKI B,NONE;MAJKA J,NONE;ROLECKI R,NONE;MATYCH S,NONE;OLCZAK G,NONE;PALUS J,
 NONE;STETKIEWICZ J,NONE;STETKIEWICZ I,NONE;WROBLEWSKA K,NONE;
 ORIGIN UNKNOWN, PP.539,
 DATE 1970
 ABSTRACT EXPOSURE OF RATS TO LEVELS OF VCM AS HIGH AS 20,000 PPM FOR 10 MONTHS RESULTED IN BODY WT
 DEPRESSION, ORGAN WEIGHT INCREASES, BLOOD CHEMISTRY CHANGES, AND MORPHOLOGICAL CHANGES IN THE
 LIVER.
 DESCRIPTORS ***** VCM;CHRONIC;INHALATION;RATS
 KNIC INDEX NUMBER 04058
 REVIEW YEAR 1990

Item 162

ACCESSION NUMBER 2360
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER IN PVC FABRICATORS.
 AUTHOR/AFFILIATION BAXTER PJ,NONE;FOX AJ,NONE;
 ORIGIN THE LANCET, PP.245-246,
 DATE 1976, JANUARY 31
 DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;ANGIOSARCOMA;EPIDEMIOLOGY
 KNIC INDEX NUMBER 04020
 REVIEW YEAR 1991

Item 163

ACCESSION NUMBER 2359
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT CONGENITAL CENTRAL NERVOUS SYSTEM MALFORMATIONS AND VINYL CHLORIDE MONOMER EXPOSURE: A COMMUNITY
 STUDY.
 AUTHOR/AFFILIATION EDMONDS LD,NONE;ANDERSON CE,NONE;FLYNT JH,NONE;JAMES LM,NONE;
 ORIGIN TERATOLOGY ,VOL 17 PP.137-142,
 DATE 1978
 ABSTRACT INCIDENCE RATES FOR CNS MALFORMATIONS IN INFANTS BORN IN KANAWHA COUNTY, WEST VIRGINIA,
 1970-1974, WERE SIGNIFICANTLY HIGHER THAN COMPARABLE US RATES. NO RELATIONSHIP WITH PVC
 MANUFACTURE WAS FOUND.
 DESCRIPTORS ***** VCM;BIRTH DEFECTS;TERATOGENICITY;HUMAN;EFFECTS;EPIDEMIOLOGY
 KNIC INDEX NUMBER 04004
 REVIEW YEAR 1990

Item 164

ACCESSION NUMBER 2358
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT A STATISTICAL ASSESSMENT OF THE QUANTITATIVE UPTAKE OF VINYL CHLORIDE MONOMER FROM AQUEOUS

20867053

BFG51972

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SOLUTION.
AUTHOR/AFFILIATION MITHEY JR,NONE;COLLINS BT,NONE;
ORIGIN J OF TOXICOLOGY AND ENVIRONMENTAL HEALTH,VOL.2 PP.311-321;
DATE 1976
ABSTRACT IT WAS CONCLUDED THAT IF THE TOTAL DAILY LIQUID INTAKE CONTAINED 20 PPM OF VCM THEN THE AREA
GENERATED UNDER THE BLOOD LEVEL-TIME CURVE, FOR RATS, WOULD BE EQUIVALENT TO AN INHALATION
EXPOSURE OF ABOUT 2 PPM FOR 24-HR.
DESCRIPTORS ***** VCM;ANALYSIS;RISK ASSESSMENT;DRINKING WATER
KMIC INDEX NUMBER 03995
REVIEW YEAR 1991

Item 165

ACCESSION NUMBER 2356
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT PULMONARY TUMORS INDUCED IN MICE BY VINYL CHLORIDE MONOMER.
AUTHOR/AFFILIATION SUZUKI Y,NONE;
ORIGIN ENVIRONMENTAL RESEARCH, VOL 16 PP.285-301;
DATE 1978
ABSTRACT NEOPLASTIC EFFECTS OF VCM WERE STUDIED IN LUNGS OF 27 MICE EXPOSED TO VCM AT 2500 AND 6000 PPM
FOR 5 AND 6 MONTHS. PULMONARY TUMORS WERE OBSERVED IN 26 OF 27 EXPERIMENTAL ANIMALS.
DESCRIPTORS ***** VCM;INHALATION;CHRONIC;CARCINOGENICITY;MICE;LUNGS;TUMORS
KMIC INDEX NUMBER 03959
REVIEW YEAR 1990

Item 166

ACCESSION NUMBER 2355
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT SUMMARY OF THE STUDIES CONDUCTED ON THE PHARMACOKINETICS/METABOLISM OF VINYL CHLORIDE IN RATS.
AUTHOR/AFFILIATION MATANABE PG,DOM CHEMICAL CO;HEFNER RE,SAME;ZEMPEL JA,SAME;PEGG DG,SAME;PARK CN,SAME;GEHRING PJ,
ORIGIN SAME;
DATE DOM CHEMICAL CO,TD CMA;
DATE 1977, MAY 31
ABSTRACT PRELIMINARY STUDIES ON THE FATE OF INHALED VCM INDICATED TWO IMPORTANT POINTS: 1) VCM WAS
METABOLIZED EXTENSIVELY IN VIVO AND 2) THE METABOLISM OF VCM WAS SATURATED AT HIGH EXPOSURE
CONCENTRATIONS.
DESCRIPTORS ***** VCM;METABOLISM;RATS;PHARMACOKINETICS
KMIC INDEX NUMBER 03940
REVIEW YEAR 1990

Item 167

ACCESSION NUMBER 2354
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT URINARY GLYCOSAMINOGLYCAN PATTERNS IN ANGIOSARCOMA OF THE LIVER.
AUTHOR/AFFILIATION CURRAN KL,UNIV OF LOUISVILLE;KUPCHELLA CE,SAME;TAMBURO CH,SAME;

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ORIGIN CANCER, VOL 40 PP.3050-3053;
DATE 1977
ABSTRACT GLYCOSAMINOGLYCANS EXTRACTED FROM 24-HOUR URINE SPECIMENS FROM PATIENTS WITH HEPATIC
ANGIOSARCOMA AND FROM NORMAL CONTROLS WERE SEPARATED AS CETYLPYRIDINIUM COMPLEXES INTO HYALURONIC
ACID, CHONDROITIN SULFATE, AND HEPARIN FRACTIONS, THEN FURTHER SEPARATED AND CHARACTERIZED. THE
CHROMATOGRAPHIC PATTERN OF THE URINARY CHONDROITIN SULFATE FRACTION IN PATIENTS WITH ANGIOSARCOMA
OF THE LIVER DIFFERED FROM THOSE OF THE CONTROLS IN THAT THERE WAS A RELATIVE INCREASE IN THE
TOTAL AMOUNT OF URONIC ACID IN A HYALURONIDASE-RESISTANT FRACTION AND A DECREASE IN A FRACTION
SUSCEPTIBLE TO HYALURONIDASE DIGESTION.
DESCRIPTORS ***** VCM;ANGIOSARCOMA
KMIC INDEX NUMBER 03938
REVIEW YEAR 1990

Item 168

ACCESSION NUMBER 2353
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE EFFECTS OF MATERNALLY INHALED VINYL CHLORIDE ON EMBRYONAL AND FETAL DEVELOPMENT IN MICE,
RATS, AND RABBITS.
AUTHOR/AFFILIATION JOHN JA,DOM CHEMICAL CO;SMITH FA,SAME;LEONG BKJ,SAME;SCHMETZ BA,SAME;
ORIGIN TOXICOLOGY AND APPLIED PHARMACOLOGY, VOL 39(3) PP.497513;
DATE 1977
ABSTRACT NO EMBRYO OR FETAL TOXICITY NOR TERATOGENIC EFFECTS WERE OBSERVED IN MICE, RATS, AND RABBITS
EXPOSED TO VCM VIA INHALATION. ETHANOL INHANCED TOXICITY.
DESCRIPTORS ***** VCM;RATS;MICE;RABBITS;TERATOGENICITY;FETAL TOXICITY;INHALATION
KMIC INDEX NUMBER 03901
REVIEW YEAR 1990

Item 169

ACCESSION NUMBER 2352
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER: AN EPIDEMIOLOGY SURVEY.
AUTHOR/AFFILIATION BRADY J,NONE;LIBERATORE F,NONE;HARPER P,NONE;GREENMALT P,NONE;BURNETT M,NONE;DAVIES JNP,NONE;
ORIGIN BISHOP N,NONE;POLAN A,NONE;VIANNA N,NONE;
DATE J OF NCI,VOL 59 NO.5 PP.1383-1385;
1977
ABSTRACT FROM 1970 TO 1975 THE ANNUAL INCIDENCE RATE FOR ANGIOSARCOMA OF THE LIVER AMONG RESIDENTS OF NEW
YORK STATE (EXCLUDING NYC) WAS 0.25 PER MILLION. A CASE-CONTROL STUDY INDICATED THAT DIRECT
EXPOSURE TO ARSENIC, VCM, AND THORIUM DIOXIDE WAS A SIGNIFICANTLY IMPORTANT FACTOR IN THE
ETIOLOGY OF THIS DISEASE. DIRECT EXPOSURE TO THESE CHEMICALS COULD NOT BE DEMONSTRATED FOR 19 OF
THE 26 PATIENTS. THE FACT THAT 5 OF THESE PATIENTS LIVED NEARER TO VCM FABRICATION OR
POLYMERIZATION PLANTS THAN DID THEIR MATCHING CONTROLS LENT SOME SUPPORT TO THE HYPOTHESIS THAT
INDIRECT MODES OF EXPOSURE, NOT SPECIFICALLY RELATED TO OCCUPATION, MIGHT BE IMPORTANT
ETIOLOGICALLY.
DESCRIPTORS ***** VCM;THOROTRAST;ARSENIC;HUMAN;EFFECTS;EPIDEMIOLOGY;ANGIOSARCOMA
KMIC INDEX NUMBER 03888
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BFG51973

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BFG51974

Item 170

ACCESSION NUMBER 2351
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT MORTALITY AMONG EMPLOYEES OF PVC FABRICATORS.
 AUTHOR/AFFILIATION CHIAZZE L,NONE;NICHOLS HE,NONE;HONG O,NONE;
 ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 19(9) PP.623-628;
 DATE 1977
 ABSTRACT A CROSS-SECTIONAL MORTALITY STUDY OF 4341 DEATHS OCCURRING AMONG CURRENT AND FORMER EMPLOYEES OF 17 PVC FABRICATORS DURING 1964-1973 IS PRESENTED. AMONG THE WHITE EMPLOYEES, THERE APPEARS TO BE AN EXCESS IN TOTAL CANCER MORTALITY, PARTICULARLY THAT OF THE DIGESTIVE SYSTEM. OBSERVED DEATHS WERE FOUND TO EXCEED THE EXPECTED IN CANCERS OF THE BREAST AND URINARY ORGANS AMONG WHITE FEMALES. DEFICIT MORTALITY WAS OBSERVED IN CIRRHOSIS OF THE LIVER AMONG WHITE MALES AND FEMALES.
 DESCRIPTORS ***** PVC;VCM;HUMAN;EFFECTS;EPIDEMIOLOGY;CARCINOGENICITY;ANGIOSARCOMA
 KWIC INDEX NUMBER 03887
 REVIEW YEAR 1991

Item 171

ACCESSION NUMBER 2348
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT SMOKING AND OCCUPATIONAL CANCERS.
 AUTHOR/AFFILIATION HOFFMANN O,NONE;MYNDER EL,NONE;
 ORIGIN PREVENTIVE MEDICINE, VOL 5(2) PP.245-261;
 DATE 1976
 ABSTRACT A REVIEW OF THE LITERATURE SHOWS A LACK OF EPIDEMIOLOGICAL DATA FOR THE JOINT ACTION OF OCCUPATIONAL CARCINOGENS (NICKEL, COKE OVEN, GAS WORKERS, VCM, HALO ETHERS, BLADDER CARCINOGENS) AND TOBACCO SMOKE. SYNERGISTIC AND/OR ADDITIVE EFFECTS HAVE BEEN ESTABLISHED FOR RADON DAUGHTERS AND SOME FORMS OF ASBESTOS.
 DESCRIPTORS ***** SMOKE;CANCER;NICKLE;GAS;WORKERS;VINYL CHLORIDE;BLADDER;CARCINOGEN;ETHERS;
 HELD TERMS COKE OVEN;HALO ETHERS;SYNERGISM;
 KWIC INDEX NUMBER 03721
 REVIEW YEAR 1990

Item 172

ACCESSION NUMBER 2346
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT CARCINOGENICITY OF VINYL CHLORIDE AND VINYLIDENE CHLORIDE.
 AUTHOR/AFFILIATION LEE CC,NONE;BHANDARI JC,NONE;WINSTON JM,NONE;HOUSE MB,NONE;DIXON RL,NONE;WOODS JS,NONE;
 ORIGIN J OF TOXICOLOGY AND ENVIRONMENTAL HEALTH, VOL 4 PP.15-30;
 DATE 1978
 ABSTRACT EXPOSURE OF MICE TO 50, 250, OR 1000 PPM OF VCM 6H/D,50/MK FOR 12 MONTHS PRODUCED A HIGH INCIDENCE OF BRONCHIOLALVEOLAR ADENOMA, MAMMARY GLAND TUMORS, AND HEMANGIOSARCOMAS. EXPOSURE TO 55 PPM OF VDC CAUSED HEMANGIOSARCOMAS AND BRONCHIOLALVEOLAR ADENOMAS.
 DESCRIPTORS ***** VCM;VDC;CARCINOGENICITY;RATS;INHALATION

20867056

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Item 173

ACCESSION NUMBER 2345
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT ANGIOSARCOMA OF THE LIVER IN VINYL CHLORIDE/POLYVINYL CHLORIDE WORKERS.
 AUTHOR/AFFILIATION SPIRTAS R,NIOSH;KAMINSKI R,NIOSH;
 ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 20 PP.427-429;
 DATE 1978
 ABSTRACT THIS REPORT PROVIDES DETAILS ON 64 CASES OF ANGIOSARCOMA AMONG VCM POLYMERIZATION WORKERS AND
 UPDATES THE PREVIOUS REPORT OF 26 CASES (JOM 16:809,1974).
 DESCRIPTORS ***** VCM;ANGIOSARCOMA;LIVER;HUMAN;EFFECTS
 KNIC INDEX NUMBER 03665
 REVIEW YEAR 1990

Item 174

ACCESSION NUMBER 2344
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT VINYL CHLORIDE AND HUMAN REPRODUCTION.
 AUTHOR/AFFILIATION MACMAHON B,HARVARD UNIV;
 ORIGIN NONE;
 DATE 1977, AUGUST 11
 DESCRIPTORS ***** VCM;REPRODUCTION;BIRTH DEFECTS;TERATOGENICITY;HUMAN;EFFECT
 HELD TERMS FETAL LOSS;
 KNIC INDEX NUMBER 03648
 REVIEW YEAR 1990

Item 175

ACCESSION NUMBER 2340
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT EFFECTS OF VINYL CHLORIDE IN MAN A CYTOGENETIC FOLLOW-UP STUDY.
 AUTHOR/AFFILIATION HANSTEEN I,UNKNOWN;HILLESTAD L,UNKNOWN;THIS-EVENSEN E,UNKNOWN;HELDAAS SS,UNKNOWN;
 ORIGIN MUTATION RESEARCH, VOL 51 PP.271-278;
 DATE 1978
 ABSTRACT THE MEAN CHROMOSOME-BREAKAGE FREQUENCY FOR THE WORKERS(3.41%) WAS SIGNIFICANTLY HIGHER THAN FOR
 THE CONTROLS (1.79%) IN THE FIRST INVESTIGATION. IN THE REPEATED STUDY NO DIFFERENCE WAS FOUND IN
 MEAN CHROMOSOME-BREAKAGE FREQUENCY BETWEEN THE WORKERS AND THEIR MATCHED CONTROLS. NEITHER WAS
 THERE ANY DIFFERENCE BETWEEN THESE BREAKAGE FREQUENCIES AND THE BREAKAGE FREQUENCY FOR THE
 PREVIOUS CONTROL GROUP. THESE RESULTS MIGHT INDICATE A RELATIONSHIP BETWEEN THE REDUCTION IN
 EXPOSURE TO VCM AND THE NORMALIZED CHROMOSOME-BREAKAGE FREQUENCY. SISTER-CHROMATID EXCHANGES WERE
 STUDIED FOR 16 WORKERS WITH MATCHED CONTROLS IN THE REPEATED STUDY. A MEAN OF 7.6 SCES PER CELL
 WAS FOUND FOR BOTH WORKERS AND CONTROLS. BONE-MARROW SAMPLES FROM 4 WORKERS WERE STUDIED IN THE
 FIRST INVESTIGATION. THE MEAN CHROMOSOME-BREAKAGE FREQUENCY WAS HIGHER IN THE BONE MARROWS (4.2%)

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THAN THAT REPORTED FOR NORMAL BONE MARROWS (0.2, 0.4, 1.7%) AND HIGHER THAN FOR THE CORRESPONDING LYMPHOCYTE CULTURES.
 DESCRIPTORS ***** VCM;HUMAN;EFFECTS;CHROMOSOMAL ABERRATION;CHROMOSOMAL ABNORMALITIES;MUTAGENICITY
 REVIEW YEAR 1990

Item 176

ACCESSION NUMBER 2338
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT PATHOLOGY OF VINYL CHLORIDE
 AUTHOR/AFFILIATION VIOLA PL,UNKNOWN;
 ORIGIN NONE,VOL 61 NO.3 PP.1-7;
 DATE 1970
 ABSTRACT THE RESULTS OF THIS INVESTIGATION SHOW THAT ANIMALS EXPOSED TO VCM MAY SHOW DEGENERATION OF THE SKELETON AND CONNECTIVE TISSUE SIMILAR TO HUMAN ACROOSTEOLYSIS OF THE HAND. DEGENERATIVE PROCESSES OF THE PARENCHYMA WERE OBSERVED IN THE BRAIN, LIVER, AND KIDNEYS.
 DESCRIPTORS ***** VCM;PATHOLOGY;CHRONIC;EFFECTS;INHALATION;RATS;BONES;KIDNEY;LIVER;BRAIN;ACROOSTEOLYSIS
 HELD TERMS LA MEDICINA DEL LAVORO;
 REVIEW YEAR 1990

Item 177

ACCESSION NUMBER 2287
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT EXCERPT FROM LETTER WRITTEN BY DR E MASTROMATTEO, DIVISION OF INDUSTRIAL HYGIENE, DEPARTMENT OF HEALTH, PROVINCE OF ONTARIO, DATED OCTOBER 13, 1959, REGARDING VINYL CHLORIDE EXPERIMENTS ON SMALL ANIMALS.
 AUTHOR/AFFILIATION MASTROMATTEO E,NONE;
 ORIGIN NONE,TO CROWN ATTORNEY;
 DATE 1959, OCTOBER 13
 ABSTRACT THIS SUMMARY REPORTS THE RESULTS OF 30 MINUTE EXPOSURES TO RODENTS.
 DESCRIPTORS ***** MICE;RATS;GUINEA PIGS;EFFECTS;ACUTE;VCM;INHALATION
 KWIC INDEX NUMBER 02721
 REVIEW YEAR 1990

Item 178

ACCESSION NUMBER 2286
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT ACCIDENTAL POISONING BY VINYL CHLORIDE: REPORT OF TWO CASES.
 AUTHOR/AFFILIATION DANZIGER H,UNKNOWN;
 ORIGIN NONE,VOL 82 PP.828-830;
 DATE 1960, APRIL 16
 ABSTRACT ACUTE INHALATION EFFECTS FROM VCM NOTED.
 DESCRIPTORS ***** VCM;HUMAN;EFFECTS;INHALATION;ACUTE
 HELD TERMS CANAD.M.A.J;CANADIAN MED ASSOC J;
 KWIC INDEX NUMBER 02715

BFG51976

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Item 179

ACCESSION NUMBER 2284
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT RISK-BENEFIT ANALYSIS FOR TOXIC CHEMICALS: VINYL CHLORIDE.
 AUTHOR/AFFILIATION WILSON R, HARVARD UNIV;
 ORIGIN HARVARD UNIV;
 DATE 1976, AUGUST 25
 DESCRIPTORS ***** VCM; RISK ASSESSMENT; ANALYSIS; HUMAN; EFFECTS; CARCINOGENICITY
 KMIC INDEX NUMBER 02608
 REVIEW YEAR 1991

Item 180

ACCESSION NUMBER 2283
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT COMMISSION DIRECTIVE OF 29 APRIL 1981 LAYING DOWN THE COMMUNITY METHOD OF ANALYSIS FOR THE OFFICIAL CONTROL OF VINYL CHLORIDE RELEASED BY MATERIALS AND ARTICLES INTO FOODSTUFFS.
 AUTHOR/AFFILIATION UNKNOWN, UNKNOWN;
 ORIGIN NONE, VOL 24 PP. 6-11;
 DATE 1981, JUNE 24
 DESCRIPTORS ***** VCM; ANALYSIS;
 HELD TERMS OFFICIAL JOURNAL OF EEC; FOODSTUFFS;
 KMIC INDEX NUMBER 02583
 REVIEW YEAR 1990

Item 181

ACCESSION NUMBER 2281
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT FATE OF 14C-VINYL CHLORIDE AFTER SINGLE ORAL ADMINISTRATION IN RATS.
 AUTHOR/AFFILIATION MATANABE PG, DOM CHEMICAL CO; MCGOWAN GR, SAME; GEHRING PJ, SAME;
 ORIGIN TOX AND APPLIED, VOL 36 PP. 339-352;
 DATE 1976
 ABSTRACT THE FATE OF VCM FOLLOWING AN ORAL DOSE BETWEEN 1 AND 100 MG/KG WAS CLEARLY DOSE-DEPENDENT. CONSISTENT WITH OUR PREVIOUS STUDIES ON THE FATE OF VCM FOLLOWING INHALATION EXPOSURE IN RATS, THE METABOLISM OF VCM APPEARS TO BE A SATURABLE PROCESS.
 DESCRIPTORS ***** RATS; ORAL; VCM; METABOLISM;
 HELD TERMS DISPOSITION; METABOLIC FATE;
 KMIC INDEX NUMBER 02579
 REVIEW YEAR 1990

Item 182

ACCESSION NUMBER 2278

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TITLE OR SUBJECT HEPATIC ANGIOSARCOMA ASSOCIATED WITH ANDROGENIC-ANABOLIC STEROIDS.
AUTHOR/AFFILIATION FALK H,CDC;POPPER H,NCI;THOMAS LB,CITY UNIV OF NEW YORK;ISAK KG,NONE;
ORIGIN NONE,PP.1120-1123;
DATE 1979, NOVEMBER 24
ABSTRACT A STUDY OF DEATHS FROM HEPATIC ANGIOSARCOMA (HAS) IN THE US SHOWED THAT DURING 1964-74 THERE WERE 168 SUCH CASES, OF WHICH 37 (22%) WERE ASSOCIATED WITH VCM, THOROTRAST, AND INORGANIC ARSENIC AND 4 (3.1%) OF THE REMAINING 131 CASES WITH THE USE OF ANDROGENIC-ANABOLIC STEROIDS.
DESCRIPTORS ***** VCM;ANGIOSARCOMA;LIVER;HUMAN;EFFECTS;EPIDEMIOLOGY;THOROTRAST;
HELD TERMS STERIODS;INORGANIC ARSENIC;LANCET;STERIODS;HALTER REED ARMY MEDICAL CENTER;
KHIC INDEX NUMBER 02527
REVIEW YEAR 1990

Item 186

ACCESSION NUMBER 2273
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT QUANTITATIVE RISK ASSESSMENT FOR COMMUNITY EXPOSURE TO VINYL CHLORIDE.
AUTHOR/AFFILIATION KUZMACK AM,EPA;MCGAUGHY RE,EPA;
ORIGIN EPA;
DATE 1975, DECEMBER 5
ABSTRACT IT WAS FOUND, USING ANIMAL DATA AND USING A LINEAR DOSE-RESPONSE MODEL EXTRAPOLATING TO ZERO, THAT THE PROBABILITY OF GETTING ANGIOSARCOMA DUE TO A YEAR OF CONTINUOUS EXPOSURE TO VCM IS 71 CASES PER YEAR PER MILLION PEOPLE EXPOSED. THE CORRESPONDING PROBABILITY OF GETTING CANCER OF ALL SITES IS 150 CASES PER YEAR OF CONTINUOUS EXPOSURE PER PPM OF VCM PER MILLION PEOPLE. ON THIS BASIS THE PROBABILITY OF GETTING LIVER ANGIOSARCOMA IN WORKERS EXPOSED TO 350 PPM FOR 7 HOURS PER DAY, 5 DAYS PER WEEK WOULD BE 0.0052 PER PERSON PER YEAR OF EXPOSURE. FROM EPIDEMIOLOGY STUDIES IT WAS ESTIMATED THAT THE PROBABILITY OF GETTING ANGIOSARCOMA AT SOME TIME IN A WORKERS LIFE PER YEAR OF EXPOSURE IS 0.0031. IT IS CONCLUDED THAT THE DIFFERENCE IN RISK ESTIMATES BETWEEN ANIMAL AND HUMAN DATA IS INDISTINGUISHABLE.
DESCRIPTORS ***** VCM;CARCINOGENICITY;ANGIOSARCOMA;HUMAN;EFFECTS;RISK ASSESSMENT
KHIC INDEX NUMBER 02516
REVIEW YEAR 1990

Item 187

ACCESSION NUMBER 2272
FILE LOCATION GEN
DOCUMENT TYPE REPORT
TITLE OR SUBJECT REPORT ON A MORTALITY STUDY COVERING EMPLOYEES OF PVC FABRICATORS.
AUTHOR/AFFILIATION NONE,NONE;
ORIGIN NONE;
DATE 1976, FEBRUARY
DESCRIPTORS ***** PVC;VCM;HUMAN;EFFECTS;EPIDEMIOLOGY;
HELD TERMS ORGANIZATION RESOURCES COUNSELORS INC;FABRICATORS;
KHIC INDEX NUMBER 02431
REVIEW YEAR 1991

Item 188

BFG51979

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ACCESSION NUMBER 2271
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT MORTALITY STUDY OF WORKERS IN THE MANUFACTURE OF VINYL CHLORIDE AND ITS POLYMERS.
 AUTHOR/AFFILIATION TABERSHAM IR,NONE;GAFFY WR,SAME;TABERSHAM-COOPER ASSOC;
 ORIGIN J OF OCCUPATIONAL MEDICINE, VOL 16(6) PP.509-518;
 DATE 1974, AUGUST
 ABSTRACT THIS MORTALITY STUDY OF 8384 MEN DEMONSTRATED THAT CANCERS OF THE DIGESTIVE SYSTEM (ANGIOSARCOMAS), RESPIRATORY SYSTEM, BRAIN, AND CANCERS OF UNKNOWN SITE, AS WELL AS LYMPHOMAS, OCCURRED MORE OFTEN THAN EXPECTED IN THOSE INDIVIDUALS WITH THE GREATEST ESTIMATED EXPOSURE. EXCESS CANCERS OF THE BUCCAL CAVITY AND PHARYNX WERE INVERSELY RELATED TO EXPOSURE.
 DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECT;EPIDEMIOLOGY;CANCER;RESPIRATORY SYSTEM;BRAIN;ANGIOSARCOMA
 HELD TERMS TABERSHAM-COOPER ASSOCIATES INC; DIGESTIVE SYSTEM;
 KNIC INDEX NUMBER 02376
 REVIEW YEAR 1990

Item 189

ACCESSION NUMBER 2260
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT MUTAGENIC AND CARCINOGENIC EFFECTS OF VINYL CHLORIDE.
 AUTHOR/AFFILIATION BARTSCH H,IARC;MONTESANO R,IARC;
 ORIGIN MUTATION RESEARCH, VOL 32 PP.93-114;
 DATE 1975
 ABSTRACT A REVIEW OF CARCINOGENICITY, MUTAGENICITY, METABOLISM, AND NON-NEOPLASTIC EFFECTS OF VCM.
 DESCRIPTORS ***** VCM;CARCINOGENICITY;MUTAGENICITY;METABOLISM;ACROOSTEOLYSIS
 KNIC INDEX NUMBER 02340
 REVIEW YEAR 1990

Item 190

ACCESSION NUMBER 2259
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT VINYL CHLORIDE DEPENDENT MUTAGENESIS:EFFECTS OF LIVER EXTRACTS AND FREE RADICALS.
 AUTHOR/AFFILIATION GARRO JB,CITY UNIV OF NEW YORK;GUTTENPLAN JB,CITY UNIV OF NEW YORK;
 ORIGIN MUTATION RESEARCH, VOL 36 PP.81-88;
 DATE 1976
 ABSTRACT VCM MUTAGENICITY IN S. TYPHIMURIUM WAS ENHANCED BY LIVER EXTRACTS AND RIBOFLAVIN IN THE PRESENCE OF SUNLIGHT.
 DESCRIPTORS ***** VCM;MUTAGENICITY;IN VITRO;LIVER;
 HELD TERMS ACTIVATION;RIBOFLAVIN;SUNLIGHT;
 KNIC INDEX NUMBER 02339
 REVIEW YEAR 1990

Item 191

ACCESSION NUMBER 2257
 FILE LOCATION GEN

BFG51980



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DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT PULMONARY FUNCTION DEFECTS IN NONSMOKING VINYL CHLORIDE WORKERS.
 AUTHOR/AFFILIATION MILLER A,CITY UNIV OF NEW YORK;
 ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 11 PP.247-250(ON SHELF);
 DATE 1975
 DESCRIPTORS ***** VCM;PVC;HUMANS;EFFECTS;PULMONARY FUNCTION
 REVIEW YEAR 1995

Item 192

ACCESSION NUMBER 2256
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT BIOCHEMICAL TOXICOLOGY OF UNSATURATED HALOGENATED MONOMERS.
 AUTHOR/AFFILIATION JAEGER RJ,HARVARD UNIV;CONOLLY RB,SAME;REYNOLDS ES,SAME;MURPHY SD,SAME;
 ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 11 PP.121-128(ON SHELF);
 DATE 1975
 DESCRIPTORS ***** VCM;1,1-DICHLOROETHYLENE;RATS;ACUTE;LIVER;
 HELD TERMS HEPATOTOXICITY;ENZYMES;1,1-DIBROMOETHYLENE; 2-CHLORO-1,3-BUTADIENE;
 REVIEW YEAR 1995

Item 193

ACCESSION NUMBER 2255
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT PRELIMINARY STUDIES ON THE FATE OF INHALED VINYL CHLORIDE MONOMER (VCM) IN RATS.
 AUTHOR/AFFILIATION HEFNER RE,DOM CHEMICAL CO;MATANABE PG,SAME;GEHRING PJ,SAME;
 ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 11 P.85-95(ON SHELF);
 DATE 1975
 ABSTRACT CONSIDERING THE RESULTS IN TOTO, IT IS HYPOTHESIZED THAT VCM IS READILY AND EXTENSIVELY METABOLIZED. METABOLISM VIA THE PRIMARY PATHWAY, POSTULATED TO INVOLVE ALCOHOL DEHYDROGENASE, IS SWAMPED BY EXPOSURES TO CONCENTRATIONS EXCEEDING 220 PPM. IN RATS EXPOSED TO CONCENTRATIONS AT AND EXCEEDING THIS LEVEL, METABOLISM OCCURS VIA A SECONDARY PATHWAY(S). POSTULATED TO BE EPOXIDATION AND/OR PEROXIDATION, THESE RESULTS ARE CONSIDERED PERTINENT IN ASSESSING THE POTENTIAL HAZARD AT LOW LEVEL EXPOSURES TO VCM.
 DESCRIPTORS ***** VCM;METABOLISM;INHALATION;RATS
 REVIEW YEAR 1990

Item 194

ACCESSION NUMBER 2254
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT PROPORTIONAL MORTALITY AMONG VINYL CHLORIDE WORKERS.
 AUTHOR/AFFILIATION MONSON RR,HARVARD UNIV;PETERS JM,SAME;JOHNSON MN,BFG;
 ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 11 PP.75-77(ON SHELF);
 DATE 1975
 ABSTRACT IN A PROPORTIONAL MORTALITY ANALYSIS OF 161 DECEASED WORKERS IN TWO PLANTS PROCESSING OR PRODUCING VCM, A 50% EXCESS OF DEATHS DUE TO ALL CANCER WAS SEEN. LIVER, BILIARY TRACT, LUNG, AND

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20867063

DESCRIPTORS ***** BRAIN CANCERS SHOWED THE GREATEST EXCESS.
REVIEW YEAR VCM;HUMAN;CANCER;EFFECTS;LIVER;BRAIN;LUNG
1995

Item 195

ACCESSION NUMBER 2251
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT OBSERVATIONS ON THE ORAL ADMINISTRATION AND TOXICITY OF VINYL CHLORIDE IN RATS.
AUTHOR/AFFILIATION FERON VJ,NONE;SPEEK AJ,SAME;WILLEMS MI,SAME;VAN BATTUM D,SAME;DE GROOT AP,SAME;
ORIGIN NONE,VOL 13 PP.633-638;
DATE 1975
ABSTRACT NO LIVER DAMAGE FROM ORAL ADMINISTRATION OF VCM AS HIGH AS 300 MG/KG, 6 DAY/NEEK FOR 13 WEEKS.
DESCRIPTORS ***** VCM;ORAL;SUBCHRONIC;RATS
HELD TERMS CIVD;CENTRAL INSTITUTE FOR NUTRITION & FOOD RESEARCH; FD.COSMET.TOXICOL;
REVIEW YEAR 1990

Item 196

ACCESSION NUMBER 2250
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT THE BIOLOGICAL FATE IN RATS OF VINYL CHLORIDE IN RELATION TO ITS ONCOGENICITY.
AUTHOR/AFFILIATION GREEN T,ICI;HATHWAY DE,ICI;
ORIGIN NONE,VOL 11 PP.545-562;
DATE 1975
DESCRIPTORS ***** VCM;METABOLISM;ORAL;RATS;IV;IP;RATS;
HELD TERMS CHEM-BIOL INTERACTIONS;
REVIEW YEAR 1990

Item 197

ACCESSION NUMBER 2249
FILE LOCATION GEN
DOCUMENT TYPE PUBLICATION
TITLE OR SUBJECT MUTAGENICITY OF CHLOROACETALDEHYDE, A POSSIBLE METABOLIC PRODUCT OF 1,2-DICHLOROETHANE (ETHYLENE
DICHLORIDE), CHLOROETHANOL (ETHYLENE CHLOROHYDRIN), VINYL CHLORIDE, AND CYCLOPHOSPHAMIDE.
AUTHOR/AFFILIATION MCCANN J,UNIV OF CALIFORNIA;SIMMON V,NONE; STREITZIESER D,UNIV OF CALIFORNIA;AMES BN,UNIV OF
CALIFORNIA;
ORIGIN NONE,VOL 72 NO.8 PP.3190-3193;
DATE 1975, AUGUST
DESCRIPTORS ***** VCM;MUTAGENICITY;IN VITRO;METABOLITE;CHLOROACETALDEHYDE;EDC;CYCLOPHOSPHAMIDE;
HELD TERMS CHLOROETHANOL;STANFORD RESEARCH INSTITUTE;PROC.NAT.ACAD.SCI;
REVIEW YEAR 1990

Item 198

ACCESSION NUMBER 2247
FILE LOCATION GEN

BFG51982

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DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT AN EPIDEMIOLOGIC STUDY OF BLOOD SCREENING TESTS AND ILLNESS HISTORIES AMONG CHEMICAL WORKERS INVOLVED IN THE MANUFACTURE OF POLYVINYL CHLORIDE.
 AUTHOR/AFFILIATION WYATT RH,UNKNOWN;KOTCHEN JM,UNKNOWN;HOCHSTRASSER DL,UNKNOWN;BUCHANAN JM,UNKNOWN;CAMBELL DR, UNKNOWN;SLAUGHTER JC,UNKNOWN;DOLL AH,UNKNOWN;
 ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, VOL. 246 PP.80-87;
 DATE 1975, JANUARY 31
 DESCRIPTORS ***** PVC;VCM;HUMAN;EFFECTS;
 HELD TERMS CLINICAL CHEMISTRY;
 REVIEW YEAR 1995

Item 199

ACCESSION NUMBER 2245
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT HEPATIC DISEASE AMONG WORKERS AT A VINYL CHLORIDE POLYMERIZATION PLANT.
 AUTHOR/AFFILIATION FALK H,CDC;CREECH JL,BFG;JOHNSON MN,BFG;KEY MN,CDC;
 ORIGIN JAMA, VOL.230(1) PP.59-68
 DATE 1974, OCTOBER 7
 ABSTRACT 11 CASES OF HEPATIC DISEASE INCLUDING ANGIOSARCOMA HAVE BEEN IDENTIFIED AT A VCM POLYMERIZATION PLANT.
 DESCRIPTORS ***** VCM;PVC;ANGIOSARCOMA;LIVER;HUMAN;EFFECTS
 REVIEW YEAR 1995

Item 200

ACCESSION NUMBER 2244
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT CLINICAL AND MORPHOLOGIC FEATURES OF HEPATIC ANGIOSARCOMA IN VINYL CHLORIDE WORKERS.
 AUTHOR/AFFILIATION MAKK L,UNIV OF LOUISVILLE;DELMORE F,NONE;CREECH JL,BFG;OGDEN LL,UNIVERSITY OF LOUISVILLE;FADELL EH,UNIVERSITY OF LOUISVILLE;SONGSTER CL, UNIVERSITY OF LOUISVILLE;CLANTON J,NONE;JOHNSON MN,BFG; CHRISTOPHERSON MM,UNIVERSITY OF LOUISVILLE
 ORIGIN CANCER, VOL. 37 PP.149-163;
 DATE 1976
 ABSTRACT 15 MALE VCM WORKERS DEVELOPED ANGIOSARCOMA OF THE LIVER. AVERAGE AGES WERE 36 TO 58. EXPOSURE TIME RANGED FROM 4 TO 27.8 YRS (AVG. 16.9 YRS).
 DESCRIPTORS ***** VCM;ANGIOSARCOMA;LIVER;HUMAN;EFFECTS;
 HELD TERMS SUBURBAN HOSPITAL;UNIV OF MONTREAL; MORPHOLOGY;
 REVIEW YEAR 1995

Item 201

ACCESSION NUMBER 2243
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT LIVER DAMAGE AND ANGIOSARCOMA IN VINYL CHLORIDE WORKERS
 AUTHOR/AFFILIATION MAKK L,NONE;CREECH JL,BFG;WHELAN JG,NONE;JOHNSON MN,BFG;
 ORIGIN JAMA, VOL. 230 PP.65-68;

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DATE 1974, OCTOBER 7
 ABSTRACT RECENTLY, 5 CASES OF HEPATIC ANGIOSARCOMA WERE FOUND IN LOUISVILLE. ALL OF THE PATIENTS HAD WORKED IN A PLANT ENGAGED IN THE PRODUCTION OF PVC. A SYSTEMIC HEALTH SURVEILLANCE PROGRAM WAS INSTITUTED TO DETECT EXISTING LIVER DAMAGE OR ANGIOSARCOMA AND TO FIND EARLY SIGNS OF DEVELOPING LIVER DAMAGE. 1183 EMPLOYEES WERE TESTED. TWO NEW CASES OF HEPATIC ANGIOSARCOMA AND THREE CASES OF PORTAL FIBROSIS WERE DISCOVERED.
 DESCRIPTORS ***** VCM;ANGIOSARCOMA;LIVER;HUMAN;EFFECTS
 REVIEW YEAR 1995

Item 202

ACCESSION NUMBER 2241
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT CAPILLARY ABNORMALITIES IN POLYVINYL CHLORIDE WORKERS: EXAMINATION BY IN VIVO MICROSCOPY.
 AUTHOR/AFFILIATION MARICQ HR,NONE;JOHNSON MN,BFG;MHETSTONE CL,NONE;LEROY EC,SAME;
 ORIGIN JAMA, VOL. 236 PP.1368-1371;
 DATE 1976, SEPTEMBER 20
 ABSTRACT EXAMINATION BY WIDE-FIELD CAPILLARY MICROSCOPY OF THE HANDS OF 152 WORKERS IN VINYL CHLORIDE POLYMERIZATION PLANTS DEMONSTRATED SCATERED, SCLERODERMA-LIKE MICROVASCULAR ABNORMALITIES IN 21 WORKERS AND ISOLATED CAPILLARY ABNORMALITIES IN 27, AS COMPARED WITH ONLY 3 ISOLATED ABNORMALITIES IN 50 MANUAL WORKERS NOT EXPOSED TO VCM. THIRTEEN OF 17 VCM WORKERS WITH OBJECTIVE EVIDENCE OF VCM-ASSOCIATED ABNORMALITIES (ANGIOSARCOMA, ETC.) WERE OBSERVED TO HAVE MICROVASCULAR ABNORMALITIES.
 DESCRIPTORS ***** VCM;HUMAN;EFFECTS;PVC;
 HELD TERMS MEDICAL UNIV OF SOUTH CAROLINA;CONOCO;CIRCULATION;
 REVIEW YEAR 1995

Item 203

ACCESSION NUMBER 2240
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT IN VITRO SKIN CAPILLARY ABNORMALITIES IN VINYL CHLORIDE WORKERS.
 AUTHOR/AFFILIATION MARICQ HR,NONE;JOHNSON MN,BFG;MHETSTONE CL,NONE;LEROY EC,SAME;
 ORIGIN NONE,VOL 2 PP.235-237;
 DATE 1976
 DESCRIPTORS ***** VCM;HUMAN;EFFECTS;
 HELD TERMS MEDICAL UNIV OF SOUTH CAROLINA;CIRCULATION;MICROCIRCULATION;
 REVIEW YEAR 1995

Item 204

ACCESSION NUMBER 2239
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT GENETIC RISKS OF VINYL CHLORIDE.
 AUTHOR/AFFILIATION INFANTE PF,NIOSH;MAGONER JK,NIOSH;MCMICHAEL AJ,NIOSH;MAXNEILER RJ,NIOSH;FALK H;NIOSH
 ORIGIN THE LANCET,PP.1289-1290;
 DATE 1976, JUNE 12

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ABSTRACT RESPONSE TO DR. PADDLE'S LETTER TO THE EDITOR. REFERENCES METHOD OF DATA COLLECTION USED IN THEIR
 STUDY PUBLISHED IN LANCET, APRIL 13, 1976 (REFER TO AN-3108).
 DESCRIPTORS ***** VCM; REPRODUCTION; BIRTH DEFECTS; FETAL TOXICITY; MUTAGENICITY; HUMAN; EFFECTS;; EPIDEMIOLOGY;
 TERATOGENICITY
 REVIEW YEAR 1990

Item 205

ACCESSION NUMBER 2205
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT PHARMACODYNAMICS AND UPTAKE OF VINYL CHLORIDE MONOMER ADMINISTERED BY VARIOUS ROUTES TO RATS.
 AUTHOR/AFFILIATION WITHEY JR, NONE;
 ORIGIN J OF TOXICOLOGY AND ENVIRONMENTAL HEALTH, VOL 1 PP.381-394;
 DATE 1976
 ABSTRACT TO ASSESS THE HAZARD PRESENTED BY THE ORAL INGESTION OF VCM, CANNULATED RATS WERE INTUBATED WITH
 2 MG/ML VCM IN WATER. VCM UPTAKE WAS VERY RAPID. PEAK CONCENTRATIONS WERE REACHED 10 MIN AFTER
 DOSING. ELIMINATION APPEARS BIEXPONENTIAL. VCM INHALATION AT 7000 PPM ALSO SHOWS A SIMILAR RAPID
 UPTAKE FOLLOWED BY A PLATEAU. BLOOD LEVELS FELL RAPIDLY TO BARELY DETECTABLE LEVELS AFTER 2
 HOURS.
 DESCRIPTORS ***** VCM; PHARMACOKINETICS; ORAL; INHALATION; RATS; DISPOSITION; ELIMINATION
 HELD TERMS DISPOSITION;
 KNIC INDEX NUMBER 01608
 REVIEW YEAR 1990

Item 206

ACCESSION NUMBER 2203
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT MUTAGENICITY OF VINYL CHLORIDE, CHLOROETHYLENE OXIDE, CHLOROACETALDEHYDE AND CHLOROETHANOL.
 AUTHOR/AFFILIATION MALAVEILLE C, IARC; BARTSCH H, IARC; BARBIN A, IARC; CAMUS AM, SAME; MONTESANO R, SAME; CROISY A, NONE;
 ORIGIN JACKQUIGNON P, NONE;
 DATE NONE, VOL 63 NO.2 PP.363-370;
 1975
 ABSTRACT EXPOSURE OF S. TYPHIMURIUM STRAINS TA 1530, TA 1535 AND G-46 TO VINYL CHLORIDE INCREASED THE
 NUMBER OF HIS+ REV./PLATE 16, 12 OR 5 TIMES OVER THE SPONTANEOUS MUTATION RATE. THE MUTAGENIC
 RESPONSE FOR TA 1530 STRAIN WAS ENHANCED 7, 4 OR 5-FOLD IN THE PRESENCE OF HUMAN, RAT OR MICE
 S-9. IN TA1530, CHLOROACETIC ACID SHOWED ONLY TOXIC EFFECTS, WHILE CHLOROACETALDEHYDE,
 CHLOROETHANOL AND CHLOROETHYLENE OXIDE CAUSED A MUTAGENIC RESPONSE. THE LATTER COMPOUND HAS A
 STRONG ALKYLATING AGENT.
 DESCRIPTORS ***** VCM; IN VITRO; MUTAGENICITY;
 HELD TERMS CHLOROETHYLENE OXIDE; CHLOROACETALDEHYDE; CHLOROETHANOL; BIOCHEMICAL AND BIOPHYSICAL RESEARCH
 COMMUNICATIONS; BIOCHEMICAL BIOPHYSICAL RESEARCH COMMUNICATION;
 KNIC INDEX NUMBER 01506
 REVIEW YEAR 1990

Item 207

ACCESSION NUMBER 2201

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FILE LOCATION	GEN
DOCUMENT TYPE	PUBLICATION
TITLE OR SUBJECT	ONCOGENIC AND MUTAGENIC RISKS IN COMMUNITIES WITH POLYVINYL CHLORIDE PRODUCTION FACILITIES.
AUTHOR/AFFILIATION	INFANTE PF,NONE;
ORIGIN	NONE;
DATE	1975
ABSTRACT	AUTHOR REPORTS EXCESS CONGENITAL MALFORMATIONS IN COMMUNITIES WITH PVC-PRODUCTION FACILITIES.
DESCRIPTORS *****	VCM;BIRTH DEFECTS;TERATOGENICITY;CNS DEPRESSION;HUMAN;EFFECTS;EPIDEMIOLOGY
HELD TERMS	NYAS;NEW YORK ACADEMY OF SCIENCE;OHIO DEPT OF HEALTH;
KMIC INDEX NUMBER	01433
REVIEW YEAR	1990

Item 208

ACCESSION NUMBER	2149
FILE LOCATION	GEN
DOCUMENT TYPE	TECHNICAL REPORT
TITLE OR SUBJECT	EVALUATION OF THE REISZNER MINIMONITOR CHARCOAL BADGE AS A VCM MONITOR (PART II)
AUTHOR/AFFILIATION	BORN JM,BFG;
ORIGIN	BFG,CORPORATE TECHNICAL SUPPORT STATUS REPORT 8504-84;
DATE	1985, AUGUST 12
ABSTRACT	BRECKSVILLE REPORT OF J.W. BORN CONCERNING DEVELOPMENT AND EVALUATION OF THE REISZNER MINIMONITOR CHARCOAL BADGE FOR VINYL CHLORIDE SAMPLING. ALSO INCLUDES STATISTICAL ANALYSES REPORT OF A.M. FAIRLIE.
DESCRIPTORS *****	VINYL CHLORIDE;METHOD;MONITORING EQUIPMENT;
REVIEW YEAR	1991

Item 209

ACCESSION NUMBER	2142
FILE LOCATION	GEN
DOCUMENT TYPE	PAPER
TITLE OR SUBJECT	FINAL DRAFT CRITERIA DOCUMENT FOR VINYL CHLORIDE
AUTHOR/AFFILIATION	NONE,NONE;
ORIGIN	EPA
DATE	1982, JANUARY
ABSTRACT	HEALTH EFFECTS BRANCH/OFFICE OF DRINKING WATER DISCUSSES PHYSICAL AND CHEMICAL PROPERTIES,HUMAN EXPOSURE,PHARMACOKINETICS,HEALTH EFFECTS,RISK ASSESSMENT AND MCL UNDER CONSIDERATION FOR VCM.
DESCRIPTORS *****	VCM;DRINKING WATER;HUMANS;EFFECTS;CARCINOGENICITY;CHRONIC;TERATOGENICITY;MUTAGENICITY;PHARMACOKINETICS;
HELD TERMS	MCL;MAXIMUM CONTAMINANT LEVEL;
REVIEW YEAR	1990

Item 210

ACCESSION NUMBER	2141
FILE LOCATION	GEN
DOCUMENT TYPE	EPA REPORT
TITLE OR SUBJECT	HEALTH EFFECTS ASSESSMENT FOR VINYL CHLORIDE
AUTHOR/AFFILIATION	NONE,NONE;

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ORIGIN EPA,REPORT NO.PB86-134475;
 DATE 1984, SEPTEMBER
 ABSTRACT

DOCUMENT REPRESENTS A BRIEF,QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE,CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMIC TOXICANTS, OR Q1* VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A Q1* WAS DETERMINED FOR VINYL CHLORIDE BASED ON BOTH ORAL AND INHALATION EXPOSURE.VINYL CHLORIDE FOLLOWING INHALATION EXPOSURE HAS BEEN SHOWN TO BE CARCINOGENIC IN HUMANS,RATS,MICE AND HAMSTERS. USING DATA FOR TUMOR INCIDENCE IN RATS, A Q1* FOR HUMANS OF 2.5×10^{-2} (MG/KG/DAY)-1 HAS ESTIMATED. NO DATA ARE AVAILABLE CONCERNING ORAL EXPOSURE IN HUMANS AND CANCER RISK. ON THE BASIS OF TOTAL TUMORS IN FEMALE RATS FED VINYL CHLORIDE-CONTAINING DIETS, A HUMAN Q1* OF 2.3 (MG/KG/DAY)-1 WAS ESTIMATED FOR ORAL EXPOSURE.

DESCRIPTORS ***** CARCINOGENICITY;VCM;RISK ASSESSMENT;EFFECTS;RATS;
 REVIEW YEAR 1990

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ACCESSION NUMBER 2121
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT APPLICATION OF THE "FILTER MODEL" TO A RISK ASSESSMENT FOR VINYL CHLORIDE
 AUTHOR/AFFILIATION OLSON CS,EPA;SCHAEFFER DJ,NONE;
 ORIGIN J OF TOXICOLOGY AND ENVIRONMENTAL HEALTH,VOL 17 PP.1-22;
 DATE 1986
 ABSTRACT

THE FILTER MODEL WAS USED TO ESTIMATE THRESHOLDS FOR THE INDUCTION OF CANCER FROM MANY DOSE-RESPONSE SETS FOR INHALATION AND INGESTION EXPOSURE TO VINYL CHLORIDE FOR RAT AND INHALATION EXPOSURE FOR MOUSE. ESTIMATES FOR A VARIETY OF END-POINT COMBINATIONS WERE LOG-NORMALLY DISTRIBUTED OVER ABOUT 2 DECADES FROM ABOUT 1 TO 100 PPM FOR INHALATION EXPOSURE TO RAT AND 0.1 TO 30 PPM FOR MOUSE. WHEN THE DATA IS TRANSFORMED TO "DOSE" (MILLIGRAMS PER KILOGRAM BODY WEIGHT PER DAY), THE ESTIMATES FOR INHALATION AND INGESTION EXPOSURE AND ALSO FOR RAT AND MOUSE ARE SIMILAR. ESTIMATES FOR DIFFERENT EXPERIMENTS CARRIED OUT FOR DIFFERENT DURATIONS OF TIME (SINGLE EXPOSURE TO 1 YR) ARE COMPARABLE. SINCE THE THRESHOLD IS AN INTRINSIC PROPERTY OF THE BIOLOGICAL SYSTEM, THE ESTIMATE, EVEN FROM A PROTOCOL FOR SHORT EXPOSURE AND LESS THAN LIFETIME OBSERVATION, CAN BE USED DIRECTLY IN A RISK ASSESSMENT AS THE MAXIMUM SAFE DOSE.

DESCRIPTORS ***** VCM;RISK ASSESSMENT;CARCINOGENICITY;EFFECTS;HUMAN;RAT;MICE;
 REVIEW YEAR 1995

Item 212

ACCESSION NUMBER 2116
 FILE LOCATION GEN
 DOCUMENT TYPE LITERATURE SEARCH
 TITLE OR SUBJECT CITATIONS FROM THE LIFE SCIENCES COLLECTION DATABASE--VINYL CHLORIDE: TOXICOLOGY (1978-1985)
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN NTIS,PB86-856119;
 DATE 1986
 ABSTRACT

THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TOXICITY OF VINYL CHLORIDE AND POLYVINYL CHLORIDE FOLLOWING SHORT AND LONG TERM EXPOSURES. METABOLISM, CARCINOGENICITY, AND TERATOGENITIC POTENTIAL OF THESE SUBSTANCES ARE CONSIDERED. METHODOLOGY TO QUANTITATE THEIR PRESENCE IN

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ATMOSPHERIC DUST AND BODY TISSUES ARE DISCUSSED. OCCUPATIONAL HAZARDS ARE ALSO NOTED. (THIS
 UPDATED BIBLIOGRAPHY CONTAINS 231 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS
 EDITION.)

DESCRIPTORS ***** VCM;PVC;HUMAN;EFFECTS;ANGIOSARCOMA;CARCINOGENICITY;ACUTE;MICE;RATS; RABBITS;
 REVIEW YEAR 1990

Item 213

ACCESSION NUMBER 2086
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT OCCUPATIONAL EXPOSURE AND BRAIN TUMORS
 AUTHOR/AFFILIATION MOSS AR,UNIV OF CALIFORNIA;
 ORIGIN J OF TOXICOLOGY AND ENVIRONMENTAL HEALTH,VOL 16 PP.703-711;
 DATE 1985
 ABSTRACT EPIDEMIOLOGICAL EVIDENCE OF AN OCCUPATIONAL RISK OF BRAIN CANCER HAS BEEN REPORTED IN FOUR
 INDUSTRIES WHERE CHEMICAL EXPOSURES ARE LIKELY, MOST RECENTLY IN A SERIES OF PROSPECTIVE STUDIES
 IN THE PETROCHEMICAL INDUSTRY. HOWEVER, ONLY IN THE CASE OF VINYL CHLORIDE EXPOSURE HAS AN
 OCCUPATIONAL CENTRAL NERVOUS SYSTEM CARCINOGEN BEEN IDENTIFIED. THIS REPORT REVIEWS THE
 CONVERGENCE OF EPIDEMIOLOGICAL AND LABORATORY EVIDENCE THAT ESTABLISHED THE OCCUPATIONAL
 CARCINOGENICITY OF VINYL CHLORIDE, AND DISCUSSES IN DETAIL THE CURRENT EVIDENCE FOR AN
 OCCUPATIONAL RISK OF BRAIN TUMORS IN THE PETROCHEMICAL INDUSTRY.

DESCRIPTORS ***** BRAIN;TUMORS;VCM;HUMAN;EFFECTS;
 HELD TERMS GLIOMAS;
 REVIEW YEAR 1995

Item 214

ACCESSION NUMBER 2068
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT EXPOSURE TO VINYL CHLORIDE AND ANGIOSARCOMA OF THE LIVER:A REPORT OF THE REGISTER OF CASES
 AUTHOR/AFFILIATION FORMAN D,NONE;BENNETT B,ICI;STAFFORD J,SAME;DOLL R,NONE;
 ORIGIN BRITISH J OF INDUSTRIAL MEDICINE,VOL 42 PP.750-753;
 DATE 1985
 ABSTRACT THE ASSOCIATION OF PLASTIC MANUFACTURERS IN EUROPE MAINTAINS A REGISTER OF ALL CASES OF
 ANGIOSARCOMA OF THE LIVER (ASL) RESULTING FROM EXPOSURE TO VINYL CHLORIDE MONOMER (VCM).THIS
 REGISTER HAS RECORDED ALL KNOWN VCM RELATED CASES OF THE DISEASE WORLDWIDE THAT HAVE BEEN
 HISTOLOGICALLY CONFIRMED.ALTHOUGH LIKELY TO BE INCOMPLETE,IT IS THE MOST COMPREHENSIVE TABULATION
 OF SUCH CASES AVAILABLE AND,BY THE END OF 1984,118 MEN HAD BEEN REGISTERED .THE INFORMATION FROM
 ANALYSIS OF THE CASES CURRENTLY ON THE REGISTER IS USED TO MAKE AN APPROXIMATE PROJECTION OF THE
 NUMBER OF CASES TO BE EXPECTED IN THE FUTURE.THE CONCLUSION FROM THIS PROJECTION IS THAT THE
 INDUSTRY IS REACHING THE HALFWAY STAGE IN THE APPEARANCE OF VCM RELATED ASL.

DESCRIPTORS ***** VCM;ANGIOSARCOMA;CARCINOGENICITY;HUMAN;EFFECTS;LIVER;
 REVIEW YEAR 1990

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ACCESSION NUMBER 2038
 FILE LOCATION GEN

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DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT TOXIC EFFECT OF ALIPHATIC CHLORINATED BYPRODUCTS FROM VINYL CHLORIDE PRODUCTION ON MARINE ANIMALS
 AUTHOR/AFFILIATION ROSENBERG R,NONE;GRAHN O,NONE;JOHANSSON L,NONE;
 ORIGIN WATER RESEARCH,VOL 9 PP.607-612;
 DATE 1975
 ABSTRACT THE ACUTE TOXIC EFFECTS OF CHLORINATED ALIPHATIC HYDROCARBONS, FORMED AS BY-PRODUCTS FROM ONE SWEDISH AND ONE NORWEGIAN PLASTIC PRODUCTION FACTORY, WERE EXAMINED BY EXPERIMENTS WITH COD (GADUS MORHUA), SHRIMP (CRANGON) AND A POLYCHAETE (OPHRYTROCHA LABRONICA). THE TOXICITY OF 1, 2-DICHLOROETHANE--A DOMINATING COMPOUND OF THE BY-PRODUCTS--AND A DISTILLATE WITH HEAVIER COMPOUNDS WERE ALSO ESTIMATED. THE TOXICITY (48H, LC50) RATIO BETWEEN THE CONCENTRATIONS OF A SWEDISH BY-PRODUCT, A NORWEGIAN BY-PRODUCT, AND DICHLOROETHANE WAS 1:9:34. THE EFFECTS OF 1, 2-DICHLOROETHANE, 1,1,2-TRICHLOROETHANE AND 1,1,2-TRICHLOROETHENE ON THE REPRODUCTIVITY, AND ON THE SURVIVAL OF ADULTS OF OPHRYOTROCHA WERE STUDIED. THE REPRODUCTIVITY WAS AFFECTED BY THESE COMPOUNDS IN FAR LOWER CONCENTRATIONS THAN THOSE HAVING ACUTE TOXIC EFFECTS ON ADULT SPECIMENS. IN ONE EXPERIMENT SERIES OPHRYOTROCHA WAS EXPOSED SUDDENLY TO THE TEST SOLUTIONS AND IN A SECOND SERIES THE FIRST PRESENTATION WAS MADE BY A SUCCESSIVE INCREASE OF THE CONCENTRATION DURING ONE HOUR. THE ESTIMATED 96-H LC50-VALUES FOR THE TEST WITH SUCCESSIVE INCREASE WERE 1:8-3:1 TIMES HIGHER THAN THOSE FOUND FOR THE TEST WITH SUDDEN EXPOSURE. IT IS SUGGESTED THAT A PHYSIOLOGICAL SHOCK IN THE START OF BIOASSAY EXPERIMENTS MIGHT HAVE REDUCED THE LC50-VALUES IN MANY PREVIOUS TESTS.
 DESCRIPTORS ***** VCM;EDC;EFFECTS;AQUATIC TOXICITY; 1,1,2-TRICHLOROETHANE;
 HELD TERMS 1,1,2-TRICHLOROETHENE;CHLORINATED HYDROCARBONS; SWEDISH WATER AND AIR POLLUTION RESEARCH LAB;
 KWIC INDEX NUMBER 01020PUBL
 REVIEW YEAR 1990

Item 216

ACCESSION NUMBER 2037
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT CARCINOGENITY BIOASSAYS OF VINYL CHLORIDE:CURRENT RESULTS
 AUTHOR/AFFILIATION MALTONI C,NONE;LEFEMINE G,NONE;
 ORIGIN ANNALS OF THE NEW YORK ACADEMY OF SCIENCES,VOL 246 PP.195-218;
 DATE 1975, JANUARY 31
 ABSTRACT STUDIES SHOW THAT VCM CAUSES CANCER IN RATS,MICE AND HAMSTERS (ANGIOSARCOMA AND POSSIBLY OTHER TUMORS).
 DESCRIPTORS ***** ANGIOSARCOMA; VCM; CARCINOGENICITY; RATS; MICE; HAMSTERS; INHALATION; EFFECTS; CHRONIC;
 HELD TERMS LONG-TERM;
 KWIC INDEX NUMBER 01019PUBL
 REVIEW YEAR 1990

Item 217

ACCESSION NUMBER 2034
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT THE INFLUENCE OF SOME BYPRODUCTS FROM VINYL CHLORIDE ON ON FEPRODUCTION ON FERTILIZATION, DEVELOPMENT AND LARVAL ND HERRISURVIVAL ON PLAICE,COD AND HERRING EGGS
 AUTHOR/AFFILIATION BRAATEN B,NONE;MOLLERUD FE,NONE;SOLEMDAL P,NONE;

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ORIGIN NONE,PP.81-90;
 DATE 1972
 ABSTRACT THE EFFECT OF BYPRODUCTS FROM NORWEGIAN VINYLCHLORIDE PRODUCTION ON FERTILIZATION,EGG DEVELOPMENT AND LARVAL SURVIVAL HAS TESTED. EGGS AND LARVAE OF PLAICE,COD AND HERRING APPARENTLY SEEMED UNAFFECTED BY CONCENTRATIONS UP TO 10 PPM,BUT CONCENTRATIONS OF 100 AND 50 PPM DELAY AND STOP DEVELOPMENT OF PLAICE EGGS IN AN EARLY STAGE. COD LARVAE SEEMED TO SURVIVE HIGH CONCENTRATIONS OF THE TOXIC SUBSTANCES FOR FAR LONGER PERIODS THAN DID I AND II YEAR GROUPS OF SAITHE.
 DESCRIPTORS ***** VCM; EFFECTS; AQUATIC TOXICITY;
 HELD TERMS INSTITUTE OF MARINE RESEARCH (NORMAY);
 KNIC INDEX NUMBER 01016PUBL
 REVIEW YEAR 1991

Item 218

ACCESSION NUMBER 2031
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT CHROMOSOME ABERRATIONS IN WORKERS EXPOSED TO VINYL CHLORIDE
 AUTHOR/AFFILIATION FUNES-CRAVIOTO F,NONE;LAMBERT B,SAME;LINDSTEN J,SAME; EHRENBERG L,UNIV OF STOCKHOLM;NATARAJAN AT, SAME; OSTERMAN-GOLKAR S,SAME;
 ORIGIN THE LANCET,PP. 459-460;
 DATE 1975, FEBRUARY 22
 ABSTRACT LYMPHOCYTE-CULTURES FROM WORKERS (7 EXPOSED,3 CONTROLS) WERE STUDIED. THE FREQUENCY OF ABNORMAL CULTURES WERE SIGNIFICANTLY HIGHER IN THE EXPOSED GROUP.
 DESCRIPTORS ***** VCM;HUMANS;EFFECTS;CHROMOSOMAL ABERRATION;MUTAGENICITY;
 HELD TERMS CHROMOSOMAL ABNORMALITIES;
 KNIC INDEX NUMBER 01013PUBL
 REVIEW YEAR 1990

Item 219

ACCESSION NUMBER 2015
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL
 TITLE OR SUBJECT COMBUSTION PRODUCTS FROM VINYL CHLORIDE MONOMER
 AUTHOR/AFFILIATION O'MARA MM,BFG;
 ORIGIN AIHA
 DATE 1971, MARCH
 DESCRIPTORS ***** HCL;PHOSGENE;VCM;
 KNIC INDEX NUMBER 00950PUBL
 REVIEW YEAR 1991

Item 220

ACCESSION NUMBER 1805
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT VINYL CHLORIDE-ASSOCIATED DISEASE
 AUTHOR/AFFILIATION LELBACH HK,NONE;MARSTELLER HJ,NONE;

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Order number 901119-133245-MIZ -001-001
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ORIGIN NONE,VOL 47 PP.1-110;
 DATE 1981
 ABSTRACT THIS IS AN EXTENSIVE REVIEW COVERING PRODUCTION,TOXICOLOGY, CHEMICAL AGENTS,PATHOLOGY
 CONSIDERATIONS,NON-MALIGNANT DISEASE, ANGIOSARCOMA, AND MANY OTHER ASPECTS.
 DESCRIPTORS ***** PVC;VCM;ACUTE;CHRONIC;CARCINOGENICITY;ANGIOSARCOMA;ACROOSTEOLYSIS; MUTAGENICITY;METABOLISM;
 PHARMACOKINETICS;
 HELD TERMS THROMBOCYTOPENIA;UNIV OF BONN (GERMANY);ADVANCES IN INTERNAL MEDICINE AND PEDIATRICS; IMMUNOLOGY;
 REVIEW YEAR 1991

Item 221

ACCESSION NUMBER 1801
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT MALIGNANT TUMORS OF THE LIVER AND LUNGS IN AN AREA WITH A PVC INDUSTRY
 AUTHOR/AFFILIATION SARIC M,NONE;KULCAR Z,NONE;ZORICA M,NONE;GELIC I,NONE;
 ORIGIN ENVIRONMENTAL HEALTH PERSPECTIVES,VOL 17 PP.189-192;
 DATE 1976, OCTOBER
 ABSTRACT THE INCIDENCE OF MALIGNANT TUMORS OF THE LUNG AND BRONCHUS AND OF CYTOLOGICALLY CONFIRMED
 PRIMARY MALIGNANT TUMOR OF THE LIVER WAS ANALYZED FOR A 4-YR PERIOD IN A CITY WITH SEVERAL
 FACTORIES, INCLUDING A PVC INDUSTRY. PRIOR TO THE STUDY TWO CASES OF ANGIOSARCOMA OF THE LIVER
 WERE DIAGNOSED IN WORKERS EMPLOYED IN PVC PRODUCTION. THE STUDY DOES NOT INDICATE THAT THE
 OCCURRENCE OF MALIGNANT TUMORS OTHER THAN ANGIOSARCOMA IS ASSOCIATED WITH EXPOSURE TO VINYL
 CHLORIDE.
 DESCRIPTORS ***** VCM;PVC;LIVER;EFFECTS;LUNG;ANGIOSARCOMA;HUMAN;EPIDEMIOLOGY;
 HELD TERMS INSTITUTE FOR MEDICAL RESEARCH & OCCUPATIONAL HEALTH (YUGOSLAVIA);
 REVIEW YEAR 1992

Item 222

ACCESSION NUMBER 1800
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT TUMORS IN PATIENTS WITH ANGIOSARCOMA OF THE LIVER
 AUTHOR/AFFILIATION VIANNA NJ,NONE;
 ORIGIN NONE,VOL 95 NO.2 PP.185-186;
 DATE 1981, AUGUST
 ABSTRACT MOST PATIENTS WITH WELL-DOCUMENTED ANGIOSARCOMA OF THE LIVER HAVE NOT DOCUMENTED EXPOSURE TO ANY
 OF THESE THREE CHEMICALS (1),SOME CONSIDERATION SHOULD ALSO BE GIVEN TO THE POSSIBILITY THAT
 OTHER AGENTS STRUCTURALLY SIMILAR TO VINYL CHLORIDE (SUCH AS CHLOROPRENE,TRICHLOROETHYLENE) MIGHT
 PLAY A ROLE IN THE CAUSE OF THIS AND POSSIBLY OTHER MALIGNANT DISORDERS.
 DESCRIPTORS ***** VCM;ANGIOSARCOMA;THOROTRAST;HUMAN;EFFECTS;
 HELD TERMS ARSENICALS;ANNALS OF INTERNAL MEDICINE;
 REVIEW YEAR 1992

Item 223

ACCESSION NUMBER 1799
 FILE LOCATION GEN
 DOCUMENT TYPE JOURNAL

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TITLE OR SUBJECT POWER CONSIDERATIONS IN EPIDEMIOLOGIC STUDIES OF VINYL CHLORIDE WORKERS
 AUTHOR/AFFILIATION BEAUMONT JJ,NIOSH,BRESLOW NE,NONE;
 ORIGIN AMERICAN J OF EPIDEMIOLOGY,VOL 114 NO.5 PP.725-734;
 DATE 1981
 ABSTRACT NINE RETROSPECTIVE MORTALITY STUDIES OF WORKERS EXPOSED TO VINYL CHLORIDE WERE REVIEWED TO DETERMINE WHETHER DIFFERENCES IN THEIR HYPOTHESIS TESTING RESULTS MIGHT BE DUE TO DIFFERENCES IN STATISTICAL POWER. WHERE POSSIBLE, THE POWER OF EACH STUDY WAS CALCULATED FOR CANCER OF THE LUNG, BRAIN AND LIVER. WHEN POWER WAS TAKEN INTO CONSIDERATION, THE RESULTS FOR LIVER AND BRAIN CANCER WERE FOUND TO BE CONSISTENT WITH AN ETIOLOGIC ROLE FOR VINYL CHLORIDE. FOR LUNG CANCER, THE DATA WERE NOT CONSISTENT WITH AN ETIOLOGIC ROLE, IN THAT TWO STUDIES WITH VERY HIGH POWER YIELDED NEGATIVE RESULTS.

DESCRIPTORS ***** VCM;LUNG;CANCER;HUMAN;EFFECTS;EPIDEMIOLOGY;
 HELD TERMS STATISTICAL POWER; UNIV OF WASHINGTON;
 REVIEW YEAR 1992

Item 224

ACCESSION NUMBER 1796
 FILE LOCATION GEN
 DOCUMENT TYPE BIBLIOGRAPHY
 TITLE OR SUBJECT THE PHYSIOLOGICAL EFFECTS OF VINYL CHLORIDE AND POLYVINYL CHLORIDE (USERS MANUAL,VOL 1 AND VOL 11)
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN NONE,DEVELOPED DATABASE SYSTEM CALLED BOYD DOCUMENT SYSTEM (BDS);
 DATE 1981
 ABSTRACT THE FIELD OF OCCUPATIONAL SAFETY AND HEALTH HAS UNDERGONE AN INFORMATION EXPLOSION OVER THE LAST SEVERAL YEARS. THE PVC SAFETY GROUP OF THE SOCIETY OF THE PLASTICS INDUSTRY, INC. (SPI) HAS ASSEMBLED THE LITERATURE ON RELEVANT RESEARCH FINDINGS APPLICABLE TO THE PHYSIOLOGICAL EFFECTS OF VINYL CHLORIDE (VC) AND POLYVINYL CHLORIDE (PVC). THIS INFORMATION IS EASILY ACCESSIBLE AND CAN BE CONVENIENTLY SEARCHED. ANY INTERESTED RESEARCHER, ADMINISTRATOR OR LEGAL REPRESENTATIVE MAY REQUEST A SEARCH OF THIS DATABASE. THE INFORMATION OBTAINED IN THIS DATABASE WILL BE SUPPORTIVE OF RESPONSES TO GOVERNMENT INQUIRY OR ACTIONS,LITIGATION,AND COMPARISON OF SCIENTIFIC RESULTS.

DESCRIPTORS ***** PVC;VCM;TOXICITY DATA;
 HELD TERMS DANIEL P. BOYD & CO;
 REVIEW YEAR 1992

Item 225

ACCESSION NUMBER 1795
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT EVALUATION OF MORTALITY IN BFGOODRICH WORKERS: A FOLLOW-UP STUDY OF MEDICAL RECORDS AND DEATH CERTIFICATES (FINAL REPORT)
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN NONE,FOR BFG;
 DATE 1974, MAY 17
 ABSTRACT THIS REPORT (BFR) SUMMARIZES THE RESPONSE OF TABERSHAW/COOPER ASSOCIATES (TCA) TO A REQUEST FROM B.F. GOODRICH COMPANY (BFG) TO TO EVALUATE THE POSSIBLE ROLE OF VINYL CHLORIDE AS A CAUSATIVE AGENT FOR ANGIOSARCOMA OF THE LIVER IN THEIR WORKERS. MUCH OF THE ACTIVITY CENTERED UPON THE LOUISVILLE,KENTUCKY PLANT WHERE CASES OF ANGIOSARCOMA HAD BEEN IDENTIFIED PREVIOUSLY. AN

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INTERIM REPORT WAS SUBMITTED BY TCA TO BFG ON MARCH 20, 1974. IT SUMMARIZED MEDICAL AND INDUSTRIAL HYGIENE RECOMMENDATIONS, AND PROGRESS IN EPIDEMIOLOGIC STUDIES.

DESCRIPTORS ***** VCM;EPIDEMIOLOGY;HUMAN;EFFECTS;
 HELD TERMS TABERSHAM/COOPER ASSOCIATES;
 REVIEW YEAR 1992

Item 226

ACCESSION NUMBER 1794
 FILE LOCATION GEN
 DOCUMENT TYPE REPORT
 TITLE OR SUBJECT MEDICAL RECORDS AND INDUSTRIAL HYGIENE STUDIES FOR BFG
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN NONE,PROGRESS REPORT FOR BFG;
 DATE 1974, MARCH 20
 ABSTRACT THIS REPORT DETAILS THE STATUS AS OF MARCH, 1974, OF CONSULTATIVE ACTIVITIES PROVIDED BY TABERSHAM/COOPER ASSOCIATES, INC. TO BFGOODRICH COMPANY WITH RESPECT TO THE MORTALITY AND MORBIDITY ASCRIBED TO THE HANDLING OF VINYL CHLORIDE, ESPECIALLY IN THE BFGOODRICH LOUISVILLE PLANT. RECOMMENDATIONS AND PROPOSALS ARE ADDRESSED.

DESCRIPTORS ***** VCM;EPIDEMIOLOGY;HUMAN;EFFECTS;
 HELD TERMS TABERSHAM/COOPER ASSOCIATES;
 REVIEW YEAR 1992

Item 227

ACCESSION NUMBER 1793
 FILE LOCATION GEN
 DOCUMENT TYPE PROCEEDINGS
 TITLE OR SUBJECT BIRTH DEFECTS AND VINYL CHLORIDE
 AUTHOR/AFFILIATION EDMONDS,CDC;
 ORIGIN NIOSH,CONFERENCE ON WOMEN AND THE WORKPLACE (WASHINGTON);
 DATE 1976, JUNE 17-19
 ABSTRACT STATISTICAL COMPARISONS ON DISTANCES VARYING FROM ONE MILE TO 10 MILES OF PARENTAL RESIDENCE TO THE PLANT INDICATED THAT THERE WAS NO DIFFERENCE BETWEEN THE CASES AND CONTROL.

DESCRIPTORS ***** VCM;BIRTH DEFECTS;HUMAN;EFFECTS;EPIDEMIOLOGY;
 REVIEW YEAR 1992

Item 228

ACCESSION NUMBER 1792
 FILE LOCATION GEN
 DOCUMENT TYPE PUBLICATION
 TITLE OR SUBJECT VINYL CHLORIDE AND CONGENITAL MALFORMATION
 AUTHOR/AFFILIATION NONE,NONE;
 ORIGIN CDC
 DATE 1976
 ABSTRACT IN MARCH 1975, THE OHIO DEPARTMENT OF HEALTH REPORTED AN INCREASED RATE OF CENTRAL NERVOUS SYSTEM (CNS) MALFORMATIONS IN 3 OHIO COMMUNITIES WHERE POLYVINYL CHLORIDE (PVC) POLYMERIZATION PLANTS ARE LOCATED (1). THE MALFORMATION RATES WERE DERIVED FROM BIRTH CERTIFICATE DATA FOR 1970-1973 AND WERE COMPARED WITH SIMILAR DATA FOR THE ENTIRE STATE OF OHIO. THE INCREASE WAS NOT