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ACCN 935951

RPNO B 93-620

TITL Micronized SARAN Resin 506: 13-Week Aerosol Toxicity Study with Male
Rats (Released)

AUTH Nitschke KD Kociba RJ Keyes DG Yano BL Weiss SK Schuetz DJ

RPDT 931201

PGNO 63

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ABST Male Fischer 344 rats were exposed to aerosols containing 0, 5, 12 or 25 mg/m³ micronized SARAN* resin 506 (a copolymer of vinyl chloride and vinylidene chloride) for 6 hours/day, 5 days/week for 13 weeks. The test material was aerosolized and passed through a cyclone to remove the large particles prior to reaching the animals. The mass median aerodynamic diameter (MMAD) and geometric standard deviation of the aerosol was 3 micrometers plus or minus 3, respectively. Ten animals/exposure level were necropsied after the last exposure of the test material. Remaining animals (10/exposure level/sacrifice) were necropsied 13 or 26 weeks later. There were no adverse effects observed based on body weights, clinical observations or clinical pathology studies. Foreign particles, considered to be micronized SARAN resin 506 particles, were observed at each necropsy in an exposure-related pattern within the lungs of rats exposed to 5, 12 or 12 micrograms/m³. These foreign particles were being phagocytized by alveolar macrophages and cleared from the lung by normal physiologic defense mechanisms. A minor inflammatory reaction, consisting of mononuclear and polymorphonuclear cells, was observed in rats exposed to 25 micrograms/m³. No evidence suggesting a progressive, fibrogenic or proliferative pulmonary response was observed in rats exposed to concentrations as high as 25 micrograms/m³ at any of the time intervals evaluated. Thus, the respiratory tract response to the aerosol was consistent with that typically observed with nuisance dusts and the no-adverse-effect level was 12 micrograms/m³ for the respirable fraction of micronized SARAN resin 506. *Trademark of The Dow Chemical Company

INDX AEROSOLS

BODY WEIGHT

CLINICAL SIGNS

HISTOPATHOLOGY

NECROSCOPY

ORGAN

PATHOLOGY

RAT

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

01856888B SARAN 506

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R&S151108

ACCN 925719

RPNO DET 1929

TITL Butene-2: Reverse Mutation Assay "Ames Test" Using Salmonella Typhimurium

AUTH Thompson PW Verschuuren HG

RPDT 920922

PGNO 25

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ABST Salmonella typhimurium strains TA1535, TA1537, TA98 and TA100 were treated with Butene-2 by the Ames plate incorporation method at five atmospheres of various concentrations, in triplicate, both with and without the addition of a rat liver homogenate metabolizing system at 10% in standard co-factors. The concentration ranged from 10 to 80%. The experiment was repeated on a separate day using fresh cultures of the bacterial strains. The method used conforms with the OECD Guidelines for the Testing of Chemicals, Protocol No. 471 and also with Method B14 in Commission Directive 84/449/EEC. The control plates (clean dry air) gave counts of revertant colonies within the normal range. All the standard positive control chemicals produced statistically significant increases in the number of revertant colonies, both with and without the metabolizing system. The gaseous positive control, vinyl chloride, produced increases in the number of TA1535 and TA100 revertants both with and without S9. Butene-2 caused a reduction in the growth of the bacterial lawn at the highest concentration in all of the strains of Salmonella. Butene-2 was, therefore, tested up to its toxic limit. No significant increase in the numbers of revertant colonies was recorded for any of the bacterial strains with any concentration of Butene-2 either with or without metabolic activation. Butene-2 was found to be non-mutagenic under the conditions of this test.

INDX AMES TEST

LIVER

MUTATION

RAT

SALMONELLA

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

00999199B 2-BUTENE, (Z)-

00999202B 2-BUTENE, (E)-

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ACCN 916345

RPNO OAR 88-503

TITL Digest of Polymer Developments - Polyvinyl Chloride A Triannual Report Series II, Number 46-47

AUTH Springborn Laboratories

RPDT 880301

PGNO 126

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ABST Contains the following sections: PVC - An Accepted Building Material;

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R&S151109

Polyvinyl Chloride (PVC): Economic and Commercial Status, Technology;
Plasticizers: Commercial Aspects, Technology, Plasticizer Environmental
and Health Aspects; Processing Aids and Impact Modifiers: Commercial
Aspects, Technology; Vinyl Chloride Monomers and Feedstock: Supply and
Demand, Plant Capacities and Expansions, Technology; Bibliography

INDX BLENDS
CAPACITY .
ECONOMICS
IMPACT STRENGTH
LUBRICANTS
MARKETING RESEARCH
PLASTICIZERS
POLYMERIZATION
PRODUCT CONSUMPTION
PRODUCTION
TECHNOLOGY

CHEMICAL TERMS (DR #'s and Chemical Names)

00018531 ETHANE: 1,2-DICHLORO-
00067834 CHLORINE
00249445 ETHENE: CHLORO-, HOMOPOLYMER
01141986 ETHENE: CHLORO-

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ACCN 896274

RPNO B 89-667

TITL Vinyl Chloride: Results of Two Short-Term Inhalation Studies (Released)

AUTH Johnson KA Yakel HO McCollister SB

RPDT 891106

PGNO 46

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INDX HAMSTER

HISTOPATHOLOGY

INHALATION TOXICITY

MORTALITY

MOUSE

NECROSCOPY

PATHOLOGY

RAT

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

Document: 5 of 92

ACCN 896273

RPNO B 89-666

TITL 30-Day Inhalation Study of Vinyl Chloride in Mice and Hamsters
(Released)

AUTH Yakel HO McKenna MJ McCollister SB

CONFIDENTIAL

R&S151110

CRID

CRI REPORTS 1937 to Present

*** DOW CONFIDENTIAL ***

Apr 29, 1996

Page 4

RPDT 891106

PGNO 9

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INDX BODY WEIGHT

HAMSTER

INHALATION TOXICITY

MOUSE

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

Document: 6 of 92

ACCN 896272

RPNO B 89-665

TITL Effect of Ethanol on the Fate of Vinyl Chloride in Rats (Released)

AUTH Watanabe PG Zempel JA Gehring PJ McCollister SB

RPDT 891106

PGNO 20

COPY DOW CONFIDENTIAL

INDX HPLC

INHALATION TOXICITY

METABOLISM

ORAL

RAT

CHEMICAL TERMS (DR #'s and Chemical Names)

00023916B ETHANOL

01141986B ETHENE: CHLORO-

01581459B ETHENE-14C: CHLORO-

Document: 7 of 92

ACCN 896069

RPNO B 89-612

TITL Liver and Biliary Tract Cancer Among Chemical Workers (Published)

AUTH Bond GG McLaren EA Sabel FL Bodner KM Lipps TE Cook RR

RPDT 891107

PGNO 25

COPY DOW CONFIDENTIAL

INDX BROMINE COMPOUNDS

CANCER

CHLORINATED ORGANIC COMPOUNDS

COMPUTER PROGRAM

DIOXINS

EPIDEMIOLOGY

GALLBLADDER

HUMANS

LIVER

MALES

MORTALITY

CONFIDENTIAL

F&S151111

SAS

FRTM BILIARY TRACT , CHLORINATED BIPHENYLS
CHEMICAL TERMS (DR #'s and Chemical Names)

00006371 PHENOL: 2,4,6-TRICHLORO-
00015849B METHANE: DICHLORO-
00015872B ETHANE: 1,2-DIBROMO-
00018531B ETHANE: 1,2-DICHLORO-
00023609B METHANE: TRICHLORO-
00023654B METHANE: TETRACHLORO-
00023687B ETHANE: 1,1,2-TRICHLORO-
00023698B ETHENE: TETRACHLORO-
01141986B ETHENE: CHLORO-

Document: 8 of 92

ACCN 890548

RPNO BRF 89

TITL Superbarrier in Rigid Retortable Containers with Vinyl Chloride SARAN
Copolymer Barrier Layers

AUTH Anderson SL Cassidy MD Debney MF DeLassus PT Kling TJ Trainor RL
Williams TL

RPDT 890116

PGNO 20

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INDX BODY WEIGHT

CLINICAL BIOCHEMISTRY

CLINICAL SIGNS

DIET

DOSAGE

FEED CONSUMPTION

LIVER

ORAL TOXICITY

RAT

FRTM LAB 058

CHEMICAL TERMS (DR #'s and Chemical Names)

02102650B BENZAMIDE: N-(((3,5-DICHLORO-4-(1,1,2,
2-TETRAFLUOROETHOXY) PHENYL) AMINO) CARBONYL)-2,
6-DIFLUORO-

Document: 9 of 92

ACCN 881251

RPNO B 88-052

TITL Executive Summary: Update to Vinyl Chloride Mortality Study

AUTH Dahar WS Bond GG McLaren EA Sabel FL Lipps TE Cook RR

RPDT 880128

PGNO 8

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INDX CANCER

CONFIDENTIAL

R&S151112

INDUSTRIAL HYGIENE
MORTALITY
PERSONNEL

FRTM MICHIGAN DIVISION
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

Document: 10 of 92

ACCN 881250
RPNO B 88-051
TITL An Update of Mortality Among Chemical Workers Exposed to Vinyl Chloride
AUTH Dahar WS Bond GG McLaren EA Sabel FL Lipps TE Cook RR
RPDT 880128
PGNO 25
COPY DOW CONFIDENTIAL
INDX CANCER
.. INDUSTRIAL HYGIENE
MORTALITY
PERSONNEL

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

Document: 11 of 92

ACCN 873633
RPNO PE TM 53-75
TITL Symposium on Industrial Health Aspects of VCL/PVC
AUTH Merdler L
RPDT 750401
PGNO 6
COPY DOW CONFIDENTIAL
INDX ANALYSIS
GOVERNMENT REGULATIONS
INDUSTRIAL HYGIENE

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

Document: 12 of 92

ACCN 850627
RPNO B 85-026
TITL ALIPHATIC CHLORINATED HYDROCARBONS
AUTH TORKELOSON TR
RPDT 850111
PGNO 46
COPY DOW CONFIDENTIAL

CONFIDENTIAL

R&S151113

INDX ALIPHATIC HYDROCARBONS
CHLORINATED HYDROCARBONS
DERMAL TOXICITY
DOG
EYE IRRITATION
GUINEA PIG
HUMANS
INHALATION TOXICITY
LD-50
MUTAGENS
ORAL TOXICITY
RAT
REVIEWS
TOXICOLOGY

CHEMICAL TERMS (DR #'s and Chemical Names)

00007841B ETHANE: PENTACHLORO-
00015849B METHANE: DICHLORO-
00015883B ETHANE: 1,1,1-TRICHLORO-
00015894B ETHANE: 1,1-DICHLORO-
00015918B 1-PROPENE: 2-CHLORO-
00015929B 1-PROPENE: 3-CHLORO-
00018531B ETHANE: 1,2-DICHLORO-
00019943B PROPANE: 1,2-DICHLORO-
00020586B 1,3-BUTADIENE: 2-CHLORO-
00020611B ETHENE: 1,1-DICHLORO-
00023609B METHANE: TRICHLORO-
00023632B ETHANE: 1,1,2,2-TETRACHLORO-
00023643B ETHANE: HEXACHLORO-
00023654B METHANE: TETRACHLORO-
00023665B ETHENE: 1,2-DICHLORO-
00023687B ETHANE: 1,1,2-TRICHLORO-
00023698B ETHENE: TETRACHLORO-
00023701B ETHANE: CHLORO-
00023734B METHANE: CHLORO-
00049581B ETHANE: TETRACHLORO-
00060071B 1-PROPENE: 1,3-DICHLORO-
00092375B 1,3-BUTADIENE: 1,1,2,3,4,4-HEXACHLORO-
00695307B ETHYNE: DICHLORO-
01141986B ETHENE: CHLORO-
01141997B ETHENE: TRICHLORO-

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ACCN 844472

RPNO SCP 404

TITL DIFFERENTIAL SCANNING CALORIMETRY INVESTIGATION INTO BLENDS COMPOSED OF
ACRYLONITRILE / BUTADIENE / STYRENE TERPOLYMERS AND VINYL CHLORIDE SARAN
COPOLYMERS

AUTH BANYAY HR

RPDT 840611

PGNO 19

CONFIDENTIAL

R&S151114

COPY DOW CONFIDENTIAL

INDX ANALYSIS

BLENDS

CALORIMETRY

CRYSTALLINITY

DIFFERENTIAL SCANNING CALORIMETRY

EYE IRRITATION

GLASS TRANSITION TEMPERATURE

IMPACT

MECHANICAL PROPERTIES

MIXTURES

MORPHOLOGY

PHYSICAL PROPERTIES

TENSILE PROPERTIES

TENSILE STRENGTH

TOUGHNESS

TOXICITY

TRANSITION TEMPERATURE

CHEMICAL TERMS (DR #'s and Chemical Names)

00075230 1,3-BUTADIENE, POLYMER WITH ETHENYL BENZENE AND
2-PROPENENITRILE01024299 ETHENE: CHLORO-, POLYMER WITH 1,
1-DICHLOROETHENE

01900181 SARAN 313

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ACCN 842803

RPNO HEH IHM 83-25 IM 1463-1983

TITL INDUSTRIAL HYGIENE MONITORING METHOD: MONITORING VINYL CHLORIDE,
VINYLIDENE CHLORIDE, 1,1,1-TRICHLOROETHANE, 1,1,2-TRICHLOROETHANE, AND
ETHYLENE DICHLORIDE IN AIR (HEH IHM 83-25)

AUTH TAIT SR

RPDT 840213

PGNO 11

COPY DOW CONFIDENTIAL

INDX AIR

ANALYTICAL METHODS

CHROMATOGRAPHY

FLAME IONIZATION DETECTORS

GAS CHROMATOGRAPHY

INSTRUMENTS

IONIZATION DETECTORS

CHEMICAL TERMS (DR #'s and Chemical Names)

00015883A ETHANE: 1,1,1-TRICHLORO-

00018531A ETHANE: 1,2-DICHLORO-

00020611A ETHENE: 1,1-DICHLORO-

00023687A ETHANE: 1,1,2-TRICHLORO-

01141986A ETHENE: CHLORO-

CONFIDENTIAL

R8S15115

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ACCN 834390
RPNO B 83-296
TITL ANALYSIS OF AGENCY ESTIMATES OF RISK FOR CARCINOGENIC AGENTS
AUTH COBLER JG . HOERGER FD
RPDT 831004
PGNO 24
COPY DOW CONFIDENTIAL
INDX CARCINOGENESIS
ENVIRONMENTAL PROTECTION AGENCY
FOOD AND DRUG ADMINISTRATION
GOVERNMENT REGULATIONS
RISK

FRTM OCCUPATIONAL SAFETY AND HEALTH ACT
CHEMICAL TERMS (DR #'s and Chemical Names)
00015963 METHANE: OXYBIS(CHLORO-
00023609 METHANE: TRICHLORO-
00023698 ETHENE: TETRACHLORO-
00024204 FORMALDEHYDE
00025058 BENZENE
00033590 GLYCINE: N,N-BIS(CARBOXYMETHYL)-
00103059 1,2-BENZISOTHAZOL-3(2H)-ONE, 1,
1-DIOXIDE
00104938 BENZENEACETIC ACID: 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-
HYDROXY-, ETHYL ESTER
00127424 CYCLOHEXANE: 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,
3BETA,4ALPHA,5ALPHA,6BETA)-
01031170 2-PROPENENITRILE
01141986 ETHENE: CHLORO-
01847296 1,3-BENZENEDIAMINE: 4-METHOXY-
02413958 ACETIC ACID, LEAD SALT

Document: 16 of 92

ACCN 831084
RPNO CSA 181
TITL VALIDATION OF AN INDUSTRIAL HYGIENE METHOD FOR MONITORING LIGHTER
CHLORINATED HYDROCARBONS IN THE AIR
AUTH MACLAUCHLAN J MITCHELL K
RPDT 820600
PGNO 38
COPY DOW CONFIDENTIAL
INDX ADSORPTION
AIR
ANALYTICAL METHODS
CHLORINATED HYDROCARBONS
CHROMATOGRAPHY
GAS CHROMATOGRAPHY
HALOGENATED HYDROCARBONS

CONFIDENTIAL

R&S151116

MONITORING
SORPTION

FRTM LAB 171

CHEMICAL TERMS (DR #'s and Chemical Names)

00015849A METHANE: DICHLORO-
00015883A ETHANE: 1,1,1-TRICHLORO-
00015894A ETHANE: 1,1-DICHLORO-
00018531A ETHANE: 1,2-DICHLORO-
00019943A PROPANE: 1,2-DICHLORO-
00023654A METHANE: TETRACHLORO-
00023687A ETHANE: 1,1,2-TRICHLORO-
00023698A ETHENE: TETRACHLORO-
00023701A ETHANE: CHLORO-
01141986A ETHENE: CHLORO-
01141997A ETHENE: TRICHLORO-
01260806 CHARCOAL

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ACCN 821523

RPNO B 600-012-82

TITL APPLICATIONS OF PHARMACOKINETIC PRINCIPLES TO PROBLEMS IN INHALATION
TOXICOLOGY

AUTH LANDRY TD MCKENNA MJ MILLER RR RAMSEY JC WATANABE PG

RPDT 820111

PGNO 61

COPY DOW CONFIDENTIAL

INDX ANIMAL

BIOCHEMICAL REACTIONS

CHEMICAL REACTIONS

COMPARISON

HUMANS

INHALATION TOXICITY

KINETICS

MAMMAL

METABOLISM

MOUSE

PHARMACOKINETICS

RAT

REVIEWS

RODENT

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

00009529B 1,4-DIOXANE
00020611B ETHENE: 1,1-DICHLORO-
00023698B ETHENE: TETRACHLORO-
01031034B BENZENE: ETHENYL-
01141986B ETHENE: CHLORO-

CONFIDENTIAL

R&S151117

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ACCN 814069
RPNO B 600-300-81
TITL ENVIRONMENTAL IMPACT STATEMENTS
AUTH MOOLENAAR RJ
RPDT 810915
PGNO 100
COPY DOW CONFIDENTIAL
INDX ALKENES
DEGRADATION
ENVIRONMENT
HYDROCARBONS
NITRATES
NITRITES
PHYSICAL PROPERTIES
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

00002879 BENZENE: ETHENYL-, HOMOPOLYMER
00007307 BENZENE: 1,1'-OXYBIS-
00011585 BENZENE: ETHYL-
00018531 ETHANE: 1,2-DICHLORO-
00020575 METHANE: DICHLORODIFLUORO-
00023518 1-PROPENE
00023541 ETHENE
00023734 METHANE: CHLORO-
00023938 METHANOL
00024055 1,2-ETHANEDIOL
00025025 UREA
00025058 BENZENE
00025070 BENZENE: METHYL-
00025183 1,1'-BIPHENYL
00066342 AMMONIA (NH3)
00067834 CHLORINE
00079914 SODIUM HYDROXIDE (NA(OH))
00376410 ETHENE, HOMOPOLYMER
01031034 BENZENE: ETHENYL-
01115419 PHENOL
01141975 OXIRANE
01141986 ETHENE: CHLORO-
01163242 ALPHA-OLEFINS

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ACCN 812320
RPNO B 600-160-81
TITL VINYL CHLORIDE EXPOSURES AND GUIDELINE/STANDARDS
AUTH DOSTAL RL SCHNEIDER EJ TORKELSON TR
RPDT 810605
PGNO 5
COPY DOW CONFIDENTIAL

CONFIDENTIAL

R&S151118

INDX ECONOMICS
EXPOSURE
GOVERNMENT REGULATIONS
PERSONNEL
STANDARDIZATION

FRM OCCUPATIONAL SAFETY AND HEALTH ACT
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

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ACCN 810571
RPNO HET K-001711(29)
TITL VINYL CHLORIDE: RESULTS OF TWO SHORT-TERM INHALATION STUDIES
AUTH JOHNSON KA YAKEL HO
RPDT 810203
PGNO 43
COPY DOW CONFIDENTIAL
INDX ANIMAL
EXCRETORY SYSTEMS
HAMSTER
HISTOLOGY
HISTOPATHOLOGY
INHALATION TOXICITY
LESION
LIVER
MAMMAL
MOUSE
NECROSCOPY
ORGAN
PATHOLOGY
RAT
RODENT
TOXICITY

FRM LAB 917 , PROBLEM 917-0000273
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 804773
RPNO B 600-340-80
TITL CHAPTER 38, "HALOGENATED ALIPHATIC HYDROCARBONS CONTAINING CHLORINE,
BROMINE, AND IODINE"
AUTH ROWE VK TORKELOSON TR
RPDT 801108
PGNO 349
COPY DOW CONFIDENTIAL
INDX ACUTE

CONFIDENTIAL

R&S151119

ANIMAL
CARCINOGENESIS
EXPOSURE
HALOGENATED HYDROCARBONS
HEALTH
HYDROCARBONS
INDUSTRIAL HYGIENE
LITERATURE
MAMMAL
PHYSICAL PROPERTIES
RAT
REVIEWS
RODENT
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

00006008B METHANE: TETRABROMO-
00006019B METHANE: BROMO-
00006020B METHANE: DIBROMO-
00006553B ETHENE: BROMO-
00007841B ETHANE: PENTACHLORO-
00015849B METHANE: DICHLORO-
00015872B ETHANE: 1,2-DIBROMO-
00015883B ETHANE: 1,1,1-TRICHLORO-
00015929B 1-PROPENE: 3-CHLORO-
00016228B METHANE: IODO-
00016240B ETHANE: BROMO-
00016251B PROPANE: 1-BROMO-
00018531B ETHANE: 1,2-DICHLORO-
00018542B PROPANE: 1-CHLORO-
00018553B PROPANE: 2-CHLORO-
00019943B PROPANE: 1,2-DICHLORO-
00020586B 1,3-BUTADIENE: 2-CHLORO-
00020611B ETHENE: 1,1-DICHLORO-
00023609B METHANE: TRICHLORO-
00023632B ETHANE: 1,1,2,2-TETRACHLORO-
00023643B ETHANE: HEXACHLORO-
00023654B METHANE: TETRACHLORO-
00023687B ETHANE: 1,1,2-TRICHLORO-
00023701B ETHANE: CHLORO-
00023734B METHANE: CHLORO-
00023778B METHANE: TRIBROMO-
00023789B ETHANE: 1,1,2,2-TETRABROMO-
00023814B ETHANE: IODO-
00038142B METHANE: TRIIDO-
00050657B METHANE: BROMOCHLORO-
00057250B PROPANE: 1,2-DIBROMO-3-CHLORO-
00060071B 1-PROPENE: 1,3-DICHLORO-
00088733B ETHENE: 1,2-DICHLORO-, (E)-
00088744B ETHENE: 1,2-DICHLORO-, (Z)-
00092375B 1,3-BUTADIENE: 1,1,2,3,4,4-HEXACHLORO-
00695307B ETHYNE: DICHLORO-
01141986B ETHENE: CHLORO-

CONFIDENTIAL

R&S151120

01141997B ETHENE: TRICHLORO-

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ACCN 803048
RPNO B 600-187-80
TITL VINYL CHLORIDE - INHALATION TERATOLOGY STUDY IN MICE, RATS, AND RABBITS
AUTH JOHN JA SCHWETZ BA SMITH FA
RPDT 800701
PGNO 28
COPY DOW CONFIDENTIAL
INDX ANIMAL
 EMBRYO
 FETUS
 INHALATION TOXICITY
 MAMMAL
 MOUSE
 ORAL TOXICITY
-- POTABLE WATER
 RABBIT
 RAT
 RODENT
 TERATOGENESIS
 TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 802513
RPNO HET K-001711(31)
TITL PULMONARY EFFECTS OF VINYL CHLORIDE. COOPERATIVE STUDY NO. 3 WITH THE
 MT. SINAI SCHOOL OF MEDICINE, NEW YORK, NEW YORK
AUTH YAKEL HO
RPDT 800605
PGNO 5
COPY DOW CONFIDENTIAL
INDX ANIMAL
 BODY WEIGHT
 EXCRETORY SYSTEMS
 INHALATION TOXICITY
 LUNG
 MAMMAL
 MOUSE
 ORGAN
 RESPIRATORY TRACT
 RODENT
 TOXICITY

FRM PROBLEM 917-0000324 , LAB 917

CONFIDENTIAL

R8S151121

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 801828
RPNO HET 1.1-3(4)
TITL DISTRIBUTION OF A 100 PPM VINYL CHLORIDE TEST ATMOSPHERE IN AN
INHALATION CHAMBER CONTAINING RAT AND MOUSE RACKS WITH AND WITHOUT
PLASTIC DIVIDERS
AUTH MILLER RR YAKEL HO
RPDT 790717
PGNO 11
COPY DOW CONFIDENTIAL
INDX ANIMAL
EQUIPMENT TESTING
EXPOSURE
INHALATION TOXICITY
-- MAMMAL
MOUSE
RAT
RODENT

FRIM PROBLEM 204-0007500 , LAB 204
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

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ACCN 794881
RPNO B 600-279-79
TITL CHEMICAL CARCINOGENESIS (A LETTER TO THE EDITOR)
AUTH GEHRING PJ QUAST JF REITZ RH WATANABE PG
RPDT 790823
PGNO 8
COPY DOW CONFIDENTIAL
INDX ANIMAL
CARCINOGENS
EXCRETORY SYSTEMS
HUMANS
KIDNEY
KINETICS
LIVER
MAMMAL
METABOLITES
MOUSE
ONCOGENICITY
ORGAN
PHARMACOKINETICS
PHYSIOLOGICAL TOLERANCE
RAT

CONFIDENTIAL

R&S151122

RODENT
THRESHOLD LIMIT
URINARY TRACT

CHEMICAL TERMS (DR #'s and Chemical Names)

00023609B METHANE: TRICHLORO-
01141986B ETHENE: CHLORO-

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ACCN 794421
RPNO HET K-001711(27)
TITL 30-DAY INHALATION STUDY OF VINYL CHLORIDE IN MICE AND HAMSTERS
AUTH MCKENNA MJ YAKEL HO
RPDT 790717
PGNO 9
COPY DOW CONFIDENTIAL
INDX ANIMAL
.. HAMSTER
INHALATION TOXICITY
MAMMAL
MOUSE
RODENT
TOXICITY

FRTM LAB 917 , PROBLEM 917-0000182
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 793748
RPNO ML AM 74-12
TITL ANALYTICAL METHOD: MONITORING PERSONNEL EXPOSURE TO VINYL CHLORIDE IN AN
INDUSTRIAL WORK ENVIRONMENT
RPDT 740417
PGNO 13
COPY DOW CONFIDENTIAL
INDX ANALYTICAL METHODS
CHROMATOGRAPHY
ECONOMICS
EXPOSURE
GAS CHROMATOGRAPHY
HEALTH
INDUSTRIAL HYGIENE
MONITORING
PERSONNEL

FRTM LAB 070
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

CONFIDENTIAL

R&S151123

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ACCN 791654
RPNO SCP 239 LR
TITL OSHA MONOMER STANDARD COMPLIANCE
AUTH MEEKS MR
RPDT 790308
PGNO 3
COPY DOW CONFIDENTIAL
INDX ECONOMICS
GOVERNMENT REGULATIONS
HEALTH
INDUSTRIAL HYGIENE
MONITORING
PERSONNEL

FRIM LAB 038 , OCCUPATIONAL SAFETY AND HEALTH ACT
CHEMICAL TERMS (DR #'s and Chemical Names)
00020611 ETHENE: 1,1-DICHLORO-
00095669 2-PROPENOIC ACID, METHYL ESTER
01031170 2-PROPENENITRILE
01141986 ETHENE: CHLORO-

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ACCN 791023
RPNO B 600-036-79
TITL INDUSTRIAL EPIDEMIOLOGY - A CASE STUDY OF VINYL CHLORIDE
AUTH COOK RR
RPDT 790215
PGNO 36
COPY DOW CONFIDENTIAL
INDX CARCINOGENESIS
EPIDEMIOLOGY
HUMANS
INHALATION TOXICITY
REVIEWS
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 790358
RPNO B 600-487-78
TITL MORTALITY EXPERIENCE OF WORKERS IN A VINYL CHLORIDE MONOMER PRODUCTION PLANT
AUTH BUFFER PA EIFLER C KILIAN DJ SUAREZ L WOOD S

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R&S151124

CRID

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Apr 29, 1996
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RPDT 781107
PGNO 43
COPY DOW CONFIDENTIAL
INDX ANIMAL DISEASES
BIBLIOGRAPHIES
CANCER
ECONOMICS
EXCRETORY SYSTEMS
LUNG
MORTALITY
NEOPLASM
ORGAN
PERSONNEL
RESPIRATORY TRACT
REVIEWS

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 788170
RPNO B 600-444-78
TITL PERSPECTIVES ON CARCINOGENS
AUTH GEHRING PJ
RPDT 781109
PGNO 49
COPY DOW CONFIDENTIAL
INDX ANIMAL DISEASES
BIBLIOGRAPHIES
CANCER
CARCINOGENS
CHEMICAL COMPOUNDS
HAZARDS
HUMANS
MORTALITY
ORGANIC COMPOUNDS
REVIEWS

FRTM ANGIOSARCOMA
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-
01536670 DEOXYRIBONUCLEIC ACID

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ACCN 787557
RPNO B 600-391-78
TITL THE TOXICOLOGY OF SOME COMMON CHLORINATED HYDROCARBON SOLVENTS AND
MONOMERS
AUTH ROWE VK

CONFIDENTIAL

R8S151125

RPDT 770830
PGNO 43
COPY DOW CONFIDENTIAL
INDX BIBLIOGRAPHIES
CARCINOGENESIS
CHLORINATED HYDROCARBONS
HALOGENATED HYDROCARBONS
LITERATURE
REVIEWS
TERATOGENESIS
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

00015849 METHANE: DICHLORO-
00015883 ETHANE: 1,1,1-TRICHLORO-
00018531 ETHANE: 1,2-DICHLORO-
00020611 ETHENE: 1,1-DICHLORO-
00023609 METHANE: TRICHLORO-
00023632 ETHANE: 1,1,2,2-TETRACHLORO-
00023654 METHANE: TETRACHLORO-
00023687 ETHANE: 1,1,2-TRICHLORO-
00023698 ETHENE: TETRACHLORO-
00023734 METHANE: CHLORO-
01141986 ETHENE: CHLORO-
01141997 ETHENE: TRICHLORO-

Document: 33 of 92

ACCN 787041
RPNO B 600-353-78
TITL STIMULATION OF LYMPHOCYTE TRANSFORMATION IN SPLENIC CULTURES OF ANIMALS
EXPOSED TO VINYL CHLORIDE
AUTH GEHRING PJ KOCIBA RJ SHARMA RP YAKEL HO
RPDT 780415
PGNO 42
COPY DOW CONFIDENTIAL
INDX ANIMAL
ANIMAL TISSUE
ANTIBODIES
BIOCHEMICAL REACTIONS
BLOOD
BLOOD CELLS
BODY WEIGHT
CELL
CHEMICAL REACTIONS
CULTURE MEDIA
DEOXYRIBONUCLEIC ACIDS
HEMATOLOGY
IMMUNITY
INHALATION TOXICITY
LEUKOCYTE
LYMPHOCYTE

CONFIDENTIAL

R&S151126

MAMMAL
METABOLISM
MOUSE
NUCLEIC ACIDS
ORGAN
RABBIT
RODENT
SPLEEN
SYNTHESIS
TRANSFORMATION

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-
01933422 THYMIDINE-ALPHA, ALPHA, ALPHA-T3

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ACCN 787019
RPNO -B 600-363-78
TITL RISK OF ANGIOSARCOMA IN VINYL CHLORIDE WORKERS AS PREDICTED FROM STUDIES
 IN RATS
AUTH GEHRING PJ PARK CN WATANABE PG
RPDT 780515
PGNO 23
COPY DOW CONFIDENTIAL
INDX ANIMAL
 ANIMAL DISEASES
 CANCER
 EXPOSURE
 FORECASTING
 HUMANS
 MAMMAL
 RAT
 RODENT

FRIM ANGIOSARCOMA

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986 ETHENE: CHLORO-

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ACCN 786737
RPNO HET K-001711(22) PT. II
TITL ROLE OF VINYL CHLORIDE METABOLISM IN THE STIMULATION OF SPLENIC
 LYMPHOCYTE TRANSFORMATION IN MICE
AUTH GEHRING PJ SHARMA RP
RPDT 780922
PGNO 23
COPY DOW CONFIDENTIAL
INDX ANIMAL
 BIOCHEMICAL REACTIONS

CONFIDENTIAL

R&S151127

BLOOD
BLOOD CELLS
CHEMICAL REACTIONS
IMMUNITY
LEUKOCYTE
LYMPHOCYTE
MAMMAL
METABOLISM
MOUSE
PHARMACEUTICALS
PSYCHOTROPICS
RODENT
STIMULANTS

FRTM PROBLEM 177-0007700 , IMMUNOSTIMULATION , LAB 177
CHEMICAL TERMS (DR #'s and Chemical Names)

00023916 ETHANOL
00029629 ACETIC ACID: 2,2'-THIOBIS-
01141986 ETHENE: CHLORO-
01598136 OXIRANE: CHLORO-

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ACCN 786622
RPNO B 600-355-78
TITL SPLENIC LYMPHOCYTE TRANSFORMATION IN CULTURE AS A TOOL FOR
IMMUNOTOXICOLOGIC EVALUATION OF CHEMICALS
AUTH SHARMA RP
RPDT 780405
PGNO 42
COPY DOW CONFIDENTIAL
INDX AGE
ANIMAL
ANTIGENS
BIOCHEMICAL REACTIONS
BLOOD
BLOOD CELLS
CHEMICAL REACTIONS
CULTURE MEDIA
IMMUNITY
IMMUNOSUPPRESSION
LEUKOCYTE
LYMPHOCYTE
MAMMAL
METABOLISM
MOUSE
ORGAN
RODENT
SPLEEN
TOXICITY
TOXICOLOGY
TRANSFORMATION

CONFIDENTIAL

R8S151128

FRTM IMMUNOSTIMULATION

CHEMICAL TERMS (DR #'s and Chemical Names)

00003996B OXIRANE: PHENYL-
00029629B ACETIC ACID: 2,2'-THIOBIS-
00650986B DIBENZO(B,E)(1,4)DIOXIN: 2,3,7,
8-TETRACHLORO-
01031034B BENZENE: ETHENYL-
01141986B ETHENE: CHLORO-
01383795B CYSTEINE: N-ACETYL-S-(2-HYDROXYETHYL)-
01933422B THYMIDINE-ALPHA, ALPHA, ALPHA-T3

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ACCN 786567

RPNO HET K-001711(22) PT. I

TITL STIMULATION OF LYMPHOCYTE TRANSFORMATION IN SPLENIC CULTURES OF ANIMALS
EXPOSED TO VINYL CHLORIDE

AUTH GEHRING PJ KOCIBA RJ SHARMA RP YAKEL HO

RPDT 780922

PGNO 40

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INDX ANIMAL

BLOOD

BLOOD CELLS

GLOBULINS

IMMUNITY

IMMUNOGLOBULINS

INHALATION TOXICITY

LEUKOCYTE

LYMPHOCYTE

MAMMAL

MOUSE

PROTEINS

RABBIT

RODENT

FRTM LAB 177 , PROBLEM 177-0007700

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986 ETHENE: CHLORO-

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ACCN 786297

RPNO NCT 6300

TITL HEAT OF REACTION OF SULFUR TRIOXIDE AND VINYL CHLORIDE MONOMER

AUTH DAVIES CL

RPDT 780918

PGNO 7

COPY DOW CONFIDENTIAL

INDX ANALYSIS

CONFIDENTIAL

R8S151129

CALORIMETRY
HAZARDS
HEAT CAPACITY
HEAT OF REACTION
PHYSICAL PROPERTIES
THERMAL PROPERTIES
THERMODYNAMIC PROPERTIES

FRTM PROBLEM 107-0005612 , LAB 107
CHEMICAL TERMS (DR #'s and Chemical Names)
01001894 SULFUR OXIDE (SO3)
01141986 ETHENE: CHLORO-

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ACCN 785292
RPNO B 600-245-78
TITL COMPARISON OF THE FATE OF VINYL CHLORIDE FOLLOWING SINGLE AND REPEATED
-- EXPOSURE IN RATS
AUTH GEHRING PJ WATANABE PG ZEMPEL JA
RPDT 770223
PGNO 15
COPY DOW CONFIDENTIAL
INDX ANIMAL
BIOCHEMICAL REACTIONS
CARCINOGENESIS
CHEMICAL REACTIONS
EXPOSURE
MAMMAL
METABOLISM
RAT
RODENT
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 784987
RPNO HET K-001711(26)
TITL METABOLISM OF (14C) AND (36CL) LABELED VINYL CHLORIDE IN VIVO AND IN
VITRO
AUTH GUENGERICH FP WATANABE PG
RPDT 780427
PGNO 35
COPY DOW CONFIDENTIAL
INDX CONTAINERS
CRYSTALLINITY
FOOD
LAMINATES

CONFIDENTIAL

R&S151130

PERMEABILITY
PHYSICAL PROPERTIES
STABILITY
STORAGE STABILITY

FRTM LAB 177 , PROBLEM 177-0007155
CHEMICAL TERMS (DR #'s and Chemical Names)
00376410 ETHENE, HOMOPOLYMER
01024028 ETHENE, POLYMER WITH ETHENYL ACETATE
01235694 SARAN

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ACCN 784176
RPNO B 600-164-78
TITL THE EPIDEMIOLOGIST AS A CONSULTANT
AUTH COOK RR
RPDT 780523
PGNO 23
COPY DOW CONFIDENTIAL
INDX ANIMAL DISEASES
CANCER
ECONOMICS
EPIDEMIOLOGY
FORECASTING
HEALTH
HUMANS
INDUSTRIAL HYGIENE
MATHEMATICS
POPULATION
STATISTICAL ANALYSIS

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

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ACCN 782088
RPNO HET K-001711(23) (REV.)
TITL EFFECT OF ETHANOL ON THE FATE OF VINYL CHLORIDE IN RATS
AUTH GEHRING PJ WATANABE PG ZEMPEL JA
RPDT 770320
PGNO 23
COPY DOW CONFIDENTIAL
INDX ANIMAL
BIOCHEMICAL REACTIONS
CHEMICAL REACTIONS
MAMMAL
METABOLISM
RAT
RODENT

CONFIDENTIAL

R&S151131

FRTM PROBLEM 177-0007155 , LAB 177
CHEMICAL TERMS (DR #'s and Chemical Names)
00023916 ETHANOL
01141986B ETHENE: CHLORO-

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ACCN 777432
RPNO B 600-319-77
TITL VINYL CHLORIDE INDUCED LYMPHOCYTE TRANSFORMATION IN SPLENIC CULTURES
AUTH GEHRING PJ SHARMA RP
RPDT 770816
PGNO 2
COPY DOW CONFIDENTIAL
INDX ANIMAL
BLOOD
BLOOD CELLS
-- IMMUNITY
INHALATION TOXICITY
LEUKOCYTE
LYMPHOCYTE
MAMMAL
MOUSE
RABBIT
RODENT
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 776821
RPNO HET K-001711(14)
TITL ISOLATION OF URINARY METABOLITES OF 14C-1,2-VINYL CHLORIDE MONOMER (VCM)
AUTH GEHRING PJ HEFNER RE JR
RPDT 741011
PGNO 26
COPY DOW CONFIDENTIAL
INDX BIOCHEMICAL REACTIONS
CHEMICAL REACTIONS
MERCAPTO GROUP
METABOLISM
METABOLITES
URINE

FRTM PROBLEM 998-0054500 , LAB 998
CHEMICAL TERMS (DR #'s and Chemical Names)
00025025 UREA
00833567 L-CYSTEINE: N-ACETYL-

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R&S151132

01141986 ETHENE: CHLORO-
01562954 ETHENE-14C2: CHLORO-
01840922 UREA-14C

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ACCN 776431
RPNO ML AL 77-30755
TITL RESIDUAL MONOMERS ANALYSIS IN SARAN FILMS
AUTH REIGLER PF
RPDT 770920
PGNO 8
COPY DOW CONFIDENTIAL
INDX ANIMAL
CARCINOGENESIS
FILMS
MAMMAL
MOUSE
-- RESIDUES
RODENT

CHEMICAL TERMS (DR #'s and Chemical Names)
00020611 ETHENE: 1,1-DICHLORO-
01141986 ETHENE: CHLORO-
01235694 SARAN

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ACCN 774519
RPNO B 600-173-77
TITL HEPATIC MACROMOLECULAR BINDING FOLLOWING EXPOSURE TO VINYL CHLORIDE
AUTH GEHRING PJ PEGG DG WATANABE PG ZEMPEL JA
RPDT 770613
PGNO 25
COPY DOW CONFIDENTIAL
INDX ANIMAL
ANIMAL TISSUE
CARCINOGENESIS
EXCRETORY SYSTEMS
EXPOSURE
HEPATOTOXICITY
LIVER
MAMMAL
ORGAN
RADIATION
RADIOACTIVITY
RAT
RODENT
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

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R&S151133

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01141986 ETHENE: CHLORO-

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ACCN 774442

RPNO B 600-176-77

TITL RESOLUTION OF DOSE-RESPONSE TOXICITY DATA FOR CHEMICALS REQUIRING
METABOLIC ACTIVATION: EXAMPLE - VINYL CHLORIDE

AUTH GEHRING PJ PARK CN WATANABE PG

RPDT 770614

PGNO 34

COPY DOW CONFIDENTIAL

INDX ACTIVATION

ANIMAL

BIOCHEMICAL REACTIONS

CARCINOGENESIS

CHEMICAL REACTIONS

MAMMAL

-- METABOLISM

OPERATING CONDITIONS

RAT

RATE

REACTION KINETICS

RODENT

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

Document: 48 of 92

ACCN 774423

RPNO HET K-001711(25)

TITL RESOLUTION OF DOSE-RESPONSE TOXICITY DATA FOR CHEMICALS REQUIRING
METABOLIC ACTIVATION: EXAMPLE - VINYL CHLORIDE

AUTH GEHRING PJ PARK CN WATANABE PG

RPDT 770528

PGNO 24

COPY DOW CONFIDENTIAL

INDX ACTIVATION

ANIMAL

BIOCHEMICAL REACTIONS

CARCINOGENESIS

CHEMICAL REACTIONS

MAMMAL

METABOLISM

OPERATING CONDITIONS

RAT

RATE

REACTION KINETICS

RODENT

CONFIDENTIAL

R&S151134

TOXICITY

FRTM LAB 177 , PROBLEM 177-0007155
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 773894
RPNO B 600-163-77
TITL COMPARISON OF THE FATE OF VINYL CHLORIDE FOLLOWING SINGLE AND REPEATED
EXPOSURE IN RATS
AUTH GEHRING PJ WATANABE PG ZEMPEL JA
RPDT 770602
PGNO 26
COPY DOW CONFIDENTIAL
INDX ANIMAL
BIOCHEMICAL REACTIONS
-- CHEMICAL REACTIONS
EXPOSURE
INHALATION TOXICITY
MAMMAL
METABOLISM
RAT
RODENT
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)
00017516 ACETIC ACID: CHLORO-
01141986B ETHENE: CHLORO-

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ACCN 772139
RPNO HET K-001711(24)
TITL HEPATIC MACROMOLECULAR BINDING FOLLOWING EXPOSURE TO VINYL CHLORIDE
AUTH GEHRING PJ PEGG DG WATANABE PG ZEMPEL JA
RPDT 770407
PGNO 25
COPY DOW CONFIDENTIAL
INDX ALKYLATION
ANIMAL
ANIMAL DISEASES
CANCER
CHEMICAL REACTIONS
EXCRETORY SYSTEMS
EXPOSURE
HEPATOTOXICITY
LIVER
MAMMAL
ORGAN

CONFIDENTIAL

R8S151135

CRID

CRI REPORTS 1937 to Present

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RADIATION
RADIOACTIVITY
RAT
RODENT
TOXICITY

FRM PROBLEM 177-0007155 , LAB 177
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

Document: 51 of 92

ACCN 767597
RPNO HET K-001711(21)
TITL COMPARISON OF THE FATE OF VINYL CHLORIDE FOLLOWING SINGLE AND REPEATED
EXPOSURE IN RATS
AUTH GEHRING PJ WATANABE PG ZEMPEL JA
RPDT 760928
PGNO 29
COPY DOW CONFIDENTIAL
INDX ANIMAL
BIBLIOGRAPHIES
BIOCHEMICAL REACTIONS
CHEMICAL REACTIONS
ENZYMES
EXCRETIONS
MAMMAL
METABOLISM
RAT
RODENT

FRM LAB 177 , PROBLEM 177-0007155
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-
01643261 MERCAPTO

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ACCN 765417
RPNO SRI PEP 105
TITL VINYLIDENE CHLORIDE MONOMER AND POLYMERS
AUTH STANFORD RES INS
RPDT 760600
PGNO 343
COPY DOW CONFIDENTIAL
INDX BIBLIOGRAPHIES
BULK POLYMERIZATION
CHEMICAL REACTIONS
CHLORINATION
COATING MATERIALS
COPOLYMERS

CONFIDENTIAL

R&S151136

COSTS
DEHYDROCHLORINATION
DEHYDROHALOGENATION
DIAGRAMS
ECONOMICS
EMULSION POLYMERIZATION
FILMS
HALOGENATION
HEALTH
HEAT SEALING
HYDROCHLORINATION
HYDROHALOGENATION
INDUSTRIAL HYGIENE
LEGAL CONSIDERATION
OPERATING CONDITIONS
PAPER
PATENT STATUS
PERMEABILITY
PHYSICAL PROPERTIES
-- PLANT SCALE
POLYMERIZATION
POLYMERS
REACTION KINETICS
RECYCLING
REVIEWS
SEAL STRENGTH
SUSPENSION POLYMERIZATION
THERMODYNAMIC PROPERTIES
VAPOR PRESSURE
WATER VAPOR TRANSMISSION RATE

CHEMICAL TERMS (DR #'s and Chemical Names)

00007841 ETHANE: PENTACHLORO-
00013412 ETHANE: 1,1,1,2-TETRACHLORO-
00015883P ETHANE: 1,1,1-TRICHLORO-
00015883R ETHANE: 1,1,1-TRICHLORO-
00015894 ETHANE: 1,1-DICHLORO-
00018531R ETHANE: 1,2-DICHLORO-
00020611P ETHENE: 1,1-DICHLORO-
00020611R ETHENE: 1,1-DICHLORO-
00023632 ETHANE: 1,1,2,2-TETRACHLORO-
00023643 ETHANE: HEXACHLORO-
00023687R ETHANE: 1,1,2-TRICHLORO-
00023698 ETHENE: TETRACHLORO-
00023701P ETHANE: CHLORO-
00030217R ETHANE
00043845R HYDROCHLORIC ACID (HCL)
00062088R 2-PROPENOIC ACID: 2-METHYL-, METHYL ESTER
00067834R CHLORINE
00079914 SODIUM HYDROXIDE (NA(OH))
00088733 ETHENE: 1,2-DICHLORO-, (E)-
00088744 ETHENE: 1,2-DICHLORO-, (Z)-
00095636R 2-PROPENOIC ACID, ETHYL ESTER

CONFIDENTIAL

R&S151137

00141162 SARAN F300 LATEX
00222060 SARAN 281, (K-23175)
01024299P ETHENE: CHLORO-, POLYMER WITH 1,
1-DICHLOROETHENE
01024302R ETHENE: 1,1-DICHLORO-, HOMOPOLYMER
01141986R ETHENE: CHLORO-
01141997 ETHENE: TRICHLORO-
01235694 SARAN
01736363P ETHENE: CHLORO-, POLYMER WITH ETHYL 2-PROPENOATE AND
METHYL 2-METHYL-2-PROPENOATE

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ACCN 764672
RPNO NCT 5900
TITL REACTION HAZARD INDEX AND MATERIAL FACTOR CALCULATIONS FOR 120 COMPOUNDS
AUTH DAVIES CL
RPDT 760602
PGNO 27
COPY DOW CONFIDENTIAL
INDX ACTIVATION ENERGY
DECOMPOSITION POINT
FUELS
HAZARDS
HEAT OF COMBUSTION
HEAT OF FORMATION
HEAT OF REACTION
HEATING FUELS
MINERAL OILS
NAPHTHA
PETROLEUM FRACTIONS
PETROLEUM FRACTIONS
PHYSICAL PROPERTIES
THERMODYNAMIC PROPERTIES
THERMODYNAMICS

FRIM PROBLEM 107-9005295 , LAB 107
CHEMICAL TERMS (DR #'s and Chemical Names)
00000602 ETHANOL: 2,2'-OXYBIS-
00000704 METHANONE: DIPHENYL-
00001434 BENZOIC ACID: 3,5-DICHLORO-2-HYDROXY-
00002824 BENZENE: (1,1-DIMETHYLETHYL)-
00002879 BENZENE: ETHENYL-, HOMOPOLYMER
00005298 2-PENTANONE: 4-METHYL-
00005301 2-BUTANONE
00006008 METHANE: TETRABROMO-
00006019 METHANE: BROMO-
00006020 METHANE: DIBROMO-
00006326 BENZALDEHYDE
00006406 ETHANOL: 2-AMINO-
00006417 ETHANOL: 2,2'-IMINOBIS-
00006439 BENZENE: BROMOFLUORO-

CONFIDENTIAL

R&S151138

00006542 ETHENE: (2-CHLOROETHOXY)-
00006553 ETHENE: BROMO-
00006586 BENZENE: 1,2-DICHLORO-
00006860 1,3-DIOXANE
00007307 BENZENE: 1,1'-OXYBIS-
00008720 BENZENEMETHANAMINE
00009529 1,4-DIOXANE
00010377 (1,1'-BIPHENYL)-4-OL
00011530 PHENOL: 2,4-DINITRO-
00011585 BENZENE: ETHYL-
00011610 BENZENE: 1,1'-(1,2-ETHANEDIYL) BIS-
00011905 PHENOL: 4,4'-(1-METHYLETHYLIDENE) BIS-
00012088 NAPHTHALENE
00012099 BENZENE: 1,4-DICHLORO-
00014982 ETHANOL: 2,2'-(1,2-ETHANEDIYLBIS(OXY)) BIS-
00015861 FORMIC ACID, ETHYL ESTER
00015872 ETHANE: 1,2-DIBROMO-
00015883 ETHANE: 1,1,1-TRICHLORO-
00015894 ETHANE: 1,1-DICHLORO-
00015929 1-PROPENE: 3-CHLORO-
00015930 1-PROPENE: 3-BROMO-
00015952 ETHENE: ETHOXY-
00016228 METHANE: IODO-
00016240 ETHANE: BROMO-
00016251 PROPANE: 1-BROMO-
00016262 PROPANE: 2-BROMO-
00016273 BUTANE: 1-BROMO-
00016308 PENTANE: 1-BROMO-
00016331 2-PROPEN-1-AMINE
00016397 2-PROPEN-1-OL
00018531 ETHANE: 1,2-DICHLORO-
00018542 PROPANE: 1-CHLORO-
00018553 PROPANE: 2-CHLORO-
00018860 PROPANE: 2-BROMO-2-METHYL-
00018951 FORMIC ACID, 1-METHYLETHYL ESTER
00019169 METHANE: CHLOROMETHOXY-
00019170 ETHANE: 1,1'-OXYBIS-
00019498 CYCLOHEXANOL
00019625 BENZENE: (1-METHYLETHYL)-
00019943 PROPANE: 1,2-DICHLORO-
00020019 BENZENE: 1,3-DINITRO-
00020882 CYCLOHEXENE
00022128 PROPANAL
00022300 ACETIC ACID, METHYL ESTER
00022504 PROPANE: 2-iodo-2-METHYL-
00023518 1-PROPENE
00023530 ETHYNE
00023541 ETHENE
00023609 METHANE: TRICHLORO-
00023665 ETHENE: 1,2-DICHLORO-
00023687 ETHANE: 1,1,2-TRICHLORO-
00023701 ETHANE: CHLORO-
00023745 PROPANE: 2-CHLORO-2-METHYL-

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00023814 ETHANE: IODO-
00023825 1-PROPENE: 3-iodo-
00023836 ACETONITRILE
00023847 PROPANENITRILE
00023858 BUTANENITRILE
00023916 ETHANOL
00023938 METHANOL
00023961 2-PROPANOL
00023972 1-BUTANOL
00023994 1-PROPANOL: 2-METHYL-
00024022 1-HEXANOL
00024055 1,2-ETHANEDIOL
00024066 1,2-PROPANEDIOL
00024077 1,2,3-PROPANETRIOL
00024168 PROPANE: 2,2'-OXYBIS-
00024215 ACETALDEHYDE
00024226 2-PROPENAL
00024271 2-PROPANONE
00024317 2-PROPENOIC ACID
00024522 ACETIC ACID, ETHYL ESTER
00024555 ACETIC ACID, BUTYL ESTER
00024726 METHANAMINE
00024737 METHANAMINE: N-METHYL-
00024748 METHANAMINE: N,N-DIMETHYL-
00024759 ETHANAMINE
00024760 ETHANAMINE: N-ETHYL-
00024771 ETHANAMINE: N,N-DIETHYL-
00024782 1-PROPANAMINE
00024793 1-BUTANAMINE
00025058 BENZENE
00025092 BENZENE: PROPYL-
00025183 1,1'-BIPHENYL
00025252 BENZENE: 1,2,3-TRICHLORO-
00025296 BENZENE: CHLORO-
00025536 BENZENE: BROMO-
00026108 PHENOL: 2-CHLORO-
00026131 MAGNESIUM
00028057 BENZENAMINE: N-METHYL-
00028068 BENZENAMINE
00028079 BENZENAMINE: N,N-DIMETHYL-
00028659 AZIRIDINE
00028988 2H-1-BENZOPYRAN-2-ONE
00029016 BUTANE
00029243 CELLULOSE, METHYL ETHER
00029389 CYCLOPROPANE
00029823 SULFUR
00029981 2,5-FURANDIONE
00030206 METHANE
00030217 ETHANE
00030228 PROPANE
00043527 2-PROPANOL: 2-METHYL-
00043572 ETHANONE: 1-PHENYL-
00044564 NAPHTHALENE: 1-BROMO-

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00046140 CARBON DISULFIDE
00047007 BENZENE: CHLOROETHENYL-
00049332 OCTADECANOIC ACID
00049581 ETHANE: TETRACHLORO-
00050657 METHANE: BROMOCHLORO-
00050817 1-PROPENE: 2,3-DICHLORO-
00050986 METHANE: BROMODICHLORO-
00051105 BUTANEDIOIC ACID: METHYLENE-
00052028 BENZENE: (BROMOMETHYL)-
00053509 PEROXIDE: DIBENZOYL
00053598 BENZENE: ETHENYLMETHYL-
00053907 ACETIC ACID, ETHENYL ESTER
00055481 METHANE: OXYBIS-
00062624 PEROXIDE: BIS(1-OXODODECYL)
00066331 SULFUR DIOXIDE
00067845 HYDROGEN SULFIDE (H(SH))
00067867 CARBON MONOXIDE (CO)
00078228 BENZENE: 1-METHYL-X-(1-METHYLETHYL)-
00087649 1,2-ETHANEDIAMINE
00087694 1,2-ETHANEDIAMINE: N-(2-AMINOETHYL)-
00095181 BUTANE: 1-CHLORO-
00095318 PROPANE: 2-iodo-
00095329 PROPANE: 1-iodo-
00095409 PROPANE: 2-(ETHENYLOXY)-
00095578 ACETYL CHLORIDE
00095625 ACETIC ACID, 1-METHYLETHYL ESTER
00095636 2-PROPENOIC ACID, ETHYL ESTER
00095794 BENZENE: (CHLOROMETHYL)-
00098146 2-PROPYN-1-OL
00099821 1-PROPENE: 1,2-DICHLORO-
00104234 1-PROPYNE: 3-BROMO-
00117420 FORMIC ACID, PROPYL ESTER
00117884 2-PROPENAMIDE
00126181 2-BUTANOL: 2-METHYL-
00138987 METHANETHIOL
00159159 BENZENE: 1-METHYL-2-NITRO-
00159228 HYDROGEN
00159400 CALCIUM CARBIDE (CAC2)
00160667 BENZENE: DIBROMO-
00160816 BENZENE: BUTYL-
00164023 PROPANOIC ACID, ETHYL ESTER
00166892 ALUMINUM: TRIS(2-METHYLPROPYL)-
00167339 HEXANE
00168934 PEROXIDE: BIS(1-METHYL-1-PHENYLETHYL)
00170467 ALUMINUM: TRIETHYL-
00178416 1-PROPENE: 3-(ETHENYLOXY)-
00194558 2-PROPANAMINE: 2-METHYL-
00196463 2-PROPANAMINE
00197784 1-PROPENE: 3,3'-OXYBIS-
00198367 1,3-DIOXOLAN-2-ONE
00224704 ETHANE: 1,1,1-TRIFLUORO-
00249445 ETHENE: CHLORO-, HOMOPOLYMER
00263569 PROPANENITRILE: 2-METHYL-

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00302716	BENZENEMETHANETHIOL
00302794	BUTANE: 1,1'-OXYBIS-
00303388	PENTANE: 1-CHLORO-
00307017	CYCLOPENTENE
00308554	OCTADECANOIC ACID, ZINC SALT
00321039	ACETIC ACID, PROPYL ESTER
00321095	ACETIC ACID, PENTYL ESTER
00333835	PHENOL: METHYL-
00334576	ETHANE: 1-CHLORO-2-METHOXY-
00335933	PROPANE: 2-(ETHENYLOXY)-2-METHYL-
00343533	OCTANE
00350787	ETHANETHIOL
00350812	2-PROPANETHIOL: 2-METHYL-
00356127	2-PROPANOL: 2-METHYL-, ACETATE
00388658	BUTANE: 1-(ETHENYLOXY)-
00388976	NAPHTHALENE: 2-BROMO-
00391480	HEPTANE
00393237	2-PROPANONE: 1-PHENYL-
00440493	OCTADECANOIC ACID, BARIUM SALT
00440506	OCTADECANOIC ACID, CALCIUM SALT
00482644	ETHANE: 1-CHLORO-2-ETHOXY-
00483910	ETHANE: 1,2-DIFLUORO-
00502772	BENZENE: 1,4-DIETHYL-
00600011	ETHANE: 1,1,1,2-TETRAFLUORO-
00662759	ETHENE: 1,1-DIFLUORO-
00771120	PENTANE
00826482	ETHENE: 1,2-DIFLUORO-
00988396	BARIUM OXIDE (BAO2)
00994752	ETHENE: FLUORO-
00994809	METHANE: CHLORODIFLUORO-
00995664	1-PROPYNE
00995686	PROPANE: 2-METHYL-
00995697	1-PROPENE: 2-METHYL-
00995733	PROPANE: 2,2-DIMETHYL-
00997024	PROPANE: 1-FLUORO-
00997035	PROPANE: 2-FLUORO-
00997046	BUTANE: 1-FLUORO-
00997057	PROPANE: 2-FLUORO-2-METHYL-
00997159	ETHANE: FLUORO-
00998005	ETHANE: 1,1-DIFLUORO-
01031012	ETHANOL: 2,2',2''-NITRILOTRIS-
01031170	2-PROPENENITRILE
01115419	PHENOL
01141986	ETHENE: CHLORO-
01156952	CHLORINE OXIDE (ClO2)
01157228	CHROMIC ACID (H2(CR2O7)), DISODIUM SALT
01161291	PERCHLORIC ACID, POTASSIUM SALT
01162147	NITRIC ACID, IRON(3+) SALT
01167620	BUTANE: DICHLORO-
01169455	ETHANE: HEXAFLUORO-
01169499	ALUMINUM: TRIMETHYL-
01181813	PENTENE: 2,4,4-TRIMETHYL-
01182350	BUTANE: EPOXY-

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01194510 BUTENE
01244446 NAPHTHALENE: METHYL-
01251792 ETHENE: 1,1'-OXYBIS-
01268004 BENZENE: BROMOCHLORO-
01488193 PHENOL: BROMO-
01561439 PROPANE: DICHLORO-
01642337 CYCLOBUTANE
01675667 ETHANE: 1,1,2-TRIFLUORO-
01701617 PROPANENITRILE: 2,2-DIMETHYL-
01720872 CYCLOBUTENE
01724578 PROPANOIC ACID, 1,1-DIMETHYLETHYL ESTER
01724589 PROPANE: 2-METHYL-2-(1-METHYLETHOXY)-
01724614 PROPANE: 2,2'-OXYBIS(2-METHYL-
01724932 NITRIC ACID, BUTYL ESTER
01724965 FORMIC ACID, 1,1-DIMETHYLETHYL ESTER

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ACCN 764374

RPNO B 17080

TITL THE EFFECTS OF MATERNALLY INHALED VINYL CHLORIDE ON EMBRYONAL AND FETAL
DEVELOPMENT IN MICE, RATS AND RABBITS

AUTH JOHN JA LEONG BKJ SCHWETZ BA SMITH FA

RPDT 760430

PGNO 36

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INDX ANIMAL

EMBRYO

EXPOSURE

FETUS

INHALATION TOXICITY

MAMMAL

MOUSE

ORGANOGENESIS

POTABLE WATER

PREGNANCY

RABBIT

RAT

RODENT

TERATOGENESIS

TOXIC EFFECT

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

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ACCN 763409

RPNO MR 20920 VOL. I & II

TITL PVC, VCM, AND PLASTICIZERS, 1973-1980. VOL. I & II: FEEDSTOCKS,

CONFIDENTIAL

R&S151143

AVAILABILITY AND MARKETS: SITUATION, OUTLOOK, OPPORTUNITIES, HAZARDS

AUTH SHERWOOD, PETER ASSO

RPDT 740500

PGNO 637

COPY DOW CONFIDENTIAL

INDX ADDITIVES

ALCOHOLS

ALKENES

AUTOMOBILES

BLOW MOLDING

BOTTLES

BUILDINGS

BUSINESS OPERATIONS

CABLES

CAPACITY

COATING MATERIALS

COMPETITIVE PRODUCTS

COMPRESSION MOLDING

CONSTRUCTION

-- CONTAINERS

COSTS

ECONOMICS

ENVIRONMENT

EXTRUSION

FEEDSTOCK

FILLING MATERIALS

FILMS

FLOORS

FOAMS

FORMING TECHNIQUES

HAZARDS

HEALTH

HYDROCARBONS

INDUSTRIAL HYGIENE

INJECTION MOLDING

MARKET SURVEYS

MARKETING

MARKETING RESEARCH

MECHANICAL PROPERTIES

MOLDING

MOTOR VEHICLES

OPERATING CONDITIONS

PACKAGING MATERIALS

PACKAGING PROCESS

PHYSICAL PROPERTIES

PIPELINES

PIPES

PLANT SCALE

PLASTICIZERS

POWDERS

PRODUCERS

PRODUCT CONSUMPTION

PRODUCTION

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P8S151144

REVIEWS
SHEETS
SHOES
STABILIZING AGENTS
STIFFNESS
TEXTILES
TOXICITY .
TUBES
USES
WIRE

CHEMICAL TERMS (DR #'s and Chemical Names)

00018531 ETHANE: 1,2-DICHLORO-
00023541 ETHENE
00049332 OCTADECANOIC ACID
00067834 CHLORINE
00088313 1-HEXANOL: 2-ETHYL-
00093618 BENZENE: 1,2-DIMETHYL-
00162243 1,3-ISOBENZOFURANDIONE
00249445 ETHENE: CHLORO-, HOMOPOLYMER
00888846 ISOOCTYL ALCOHOL
01141986 ETHENE: CHLORO-

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ACCN 760447

RPNO HET 3.4-16-10

TITL THE EFFECTS OF MATERNALLY INHALED VINYL CHLORIDE ON EMBRYONAL AND FETAL
DEVELOPMENT IN MICE, RATS AND RABBITSAUTH BALMER MF GEHRING PJ HABERSTROH HD JOHN JA LEONG BKJ MURRAY FJ
NITSCHKE KD SCHWETZ BA SMITH FA

RPDT 751219

PGNO 31

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INDX ANIMAL

BIBLIOGRAPHIES

EMBRYO

FETUS

INHALATION TOXICITY

MAMMAL

MOUSE

PREGNANCY

RABBIT

RAT

REVIEWS

RODENT

TERATOGENESIS

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

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R&S151145

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ACCN 758463

RPNO ZZ G-1975

TITL PHARMACOKINETIC STUDIES IN EVALUATION OF THE TOXICOLOGICAL AND
ENVIRONMENTAL HAZARDS OF CHEMICALS

AUTH BLAU GE GEHRING PJ WATANABE PG

RPDT 750000

PGNO 158

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INDX BIBLIOGRAPHIES

BIOCHEMICAL REACTIONS

CHEMICAL COMPOUNDS

CHEMICAL REACTIONS

METABOLISM

MODELS

ORGANIC COMPOUNDS

PHARMACOKINETICS

-- REVIEWS

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

00009529 1,4-DIOXANE

00011530 PHENOL: 2,4-DINITRO-

00029243 CELLULOSE, METHYL ETHER

00043367 ACETIC ACID: (2,4,5-TRICHLOROPHENOXY)-

00197308 PHENOL: PENTACHLORO-

00337837 2-PYRIDINECARBOXYLIC ACID: 6-CHLORO-

00459870 BENZENE: 1,1'-OXYBIS(2,3,4,5,

6-PENTABROMO-

00650986 DIBENZO(B,E) (1,4)DIOXIN: 2,3,7,

8-TETRACHLORO-

00764669 ACETAMIDE: 2,2-DIBROMO-2-CYANO-

00969426 1,1'-BIPHENYL: OCTABROMO-

01141986 ETHENE: CHLORO-

01160527 1,1'-BIPHENYL: 2,2',4,4'-TETRACHLORO-

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ACCN 758373

RPNO SRI PEP 13B SUPPL.

TITL POLYVINYL CHLORIDE SUPPLEMENT B

AUTH STANFORD RES INS

RPDT 751100

PGNO 357

COPY DOW CONFIDENTIAL

INDX ADDITIVES

ANIMAL DISEASES

AUTOCLAVES

BIBLIOGRAPHIES

BULK POLYMERIZATION

CONFIDENTIAL

F&S151146

BUSINESS OPERATIONS
CANCER
CHEMICAL REACTIONS
COMPOSITES
CONTINUOUS PROCESS
COPOLYMERS
COSTS
DIAGRAMS
DRYING
ECONOMICS
EMULSION POLYMERIZATION
ENVIRONMENT
EQUIPMENT
FLUIDS
GASES
GRAFT POLYMERIZATION
HEALTH
INDUSTRIAL HYGIENE
LEGAL CONSIDERATION
-- MARKET SURVEYS
MARKETING
MARKETING RESEARCH
MIXING
OPERATING CONDITIONS
PATENT STATUS
PHYSICAL SEPARATIONS
PLANT SCALE
PLASTICIZERS
POLYMERIZATION
POLYMERS
PRICES
PURIFICATION
REACTORS
REVIEWS
SCRAP
SCRUBBING
SOLUTION POLYMERIZATION
STABILIZING AGENTS
SUSPENSION POLYMERIZATION
TOXICITY
VENTS
WASHING
WASTE DISPOSAL

CHEMICAL TERMS (DR #'s and Chemical Names)

00020611R ETHENE: 1,1-DICHLORO-
00023518R 1-PROPENE
00053907R ACETIC ACID, ETHENYL ESTER
00249445P ETHENE: CHLORO-, HOMOPOLYMER
01024299P ETHENE: CHLORO-, POLYMER WITH 1,
1-DICHLOROETHENE
01130025P ETHENE: CHLORO-, POLYMER WITH ETHENYL ACETATE
01141986R ETHENE: CHLORO-

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R8S151147

01605181P ETHENE: CHLORO-, POLYMER WITH 1-PROPENE

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ACCN 757090
RPNO B 16893
TITL INDUSTRIAL CHEMICAL SAFETY & VINYL CHLORIDE
AUTH DEMOTT DN
RPDT 750925
PGNO 20
COPY DOW CONFIDENTIAL
INDX ANIMAL DISEASES
 BIOCHEMICAL REACTIONS
 CANCER
 CHEMICAL REACTIONS
 GOVERNMENT REGULATIONS
 HEALTH
 HUMANS
-- INDUSTRIAL HYGIENE
 METABOLISM
 SAFETY
 SAMPLING
 TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

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ACCN 756782
RPNO NCT 5771
TITL THE CRUISE AND CHETAH HAZARD EVALUATION PROGRAMS: A COMPARISON
AUTH CHASE MW WITT BG
RPDT 750903
PGNO 13
COPY DOW CONFIDENTIAL
INDX ACTIVITY
 COMPUTER PROGRAM
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 HAZARDS
 PHYSICAL PROPERTIES

FRTM CHETAH , PROBLEM 107-9005500 , LAB 107

CHEMICAL TERMS (DR #'s and Chemical Names)

00006020 METHANE: DIBROMO-
00011530 PHENOL: 2,4-DINITRO-
00015781 METHANE: NITRO-
00015827 OXIRANE: METHYL-
00015849 METHANE: DICHLORO-
00015883 ETHANE: 1,1,1-TRICHLORO-
00015929 1-PROPENE: 3-CHLORO-

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R&S151148

00016375 METHANE: TRICHLORONITRO-
00020600 1,3-BUTADIENE
00020611 ETHENE: 1,1-DICHLORO-
00023518 1-PROPENE
00023541 ETHENE
00024317 2-PROPENOIC ACID
00028659 AZIRIDINE
00053598 BENZENE: ETHENYLMETHYL-
00060071 1-PROPENE: 1,3-DICHLORO-
00131657 HYDROGEN PEROXIDE (H2O2)
00138727 BENZOIC ACID: 2-METHYL-3,5-DINITRO-
00192961 BENZENE: DIISOCYANATOMETHYL-
00634071 OXIRANE: ETHYL-
00705464 MAPP, (K-72180)
01001634 BENZENE: (CHLOROMETHYL)ETHENYL-
01031034 BENZENE: ETHENYL-
01031170 2-PROPENENITRILE
01141975 OXIRANE
01141986 ETHENE: CHLORO-
01141997 ETHENE: TRICHLORO-
01142116 BENZENE: DIETHENYL-
01156952 CHLORINE OXIDE (CLO2)
01182350 BUTANE: EPOXY-

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ACCN 756151

RPNO HET K-001711(15)

TITL VINYL CHLORIDE (VC) INDUCED DEPRESSION OF HEPATIC NON-PROTEIN SULFHYDRYL
CONTENT AND EFFECTS ON SULFOBROMOPHTHALEIN (BSP) CLEARANCE IN RATS

AUTH GEHRING PJ HEFNER RE JR WATANABE PG

RPDT 750703

PGNO 21

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INDX ANIMAL

ANIMAL DISEASES
BIBLIOGRAPHIES
BIOCHEMICAL REACTIONS
CANCER
CARCINOGENS
CHEMICAL REACTIONS
DEPRESSIONS
EXCRETORY SYSTEMS
INHALATION TOXICITY
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MAMMAL
MENTAL DISORDER
MERCAPTO GROUP
METABOLISM
METABOLITES
NERVE DISEASE
NEUROTIC DEPRESSION

CONFIDENTIAL

R&S151149

ORGAN
RAT
RODENT
TOXICITY

FRTM PROBLEM 177-0007152 , LAB 177

CHEMICAL TERMS (DR #'s and Chemical Names)

00023916 ETHANOL
01141986B ETHENE: CHLORO-
01657234 BENZENESULFONIC ACID: 3,3'-(4,5,6,
 7-TETRABROMO-3-OXO-1(3H)-ISOBENZOFURANYLIDENE) BIS(6-
 HYDROXY-

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ACCN 754813
RPNO B 16843
TITL PERCUTANEOUS ABSORPTION OF VINYL CHLORIDE (VC)
AUTH GEHRING PJ HEFNER RE JR WATANABE PG
RPDT 750430
PGNO 9
COPY DOW CONFIDENTIAL
INDX ANIMAL
 BIOLOGICAL TRANSPORT
 INHALATION TOXICITY
 MAMMAL
 MONKEY
 PERCUTANEOUS ABSORPTION
 TOXICITY
 WILDLIFE

CHEMICAL TERMS (DR #'s and Chemical Names)

01009172 CARBON, ISOTOPE OF MASS 14
01141986B ETHENE: CHLORO-

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ACCN 754110
RPNO B 16534
TITL THE EFFECTS OF EXPOSURE OF RATS TO 50, 500, AND 5000 PPM VINYL CHLORIDE
 ON THE SULFHYDRYL LEVELS OF LIVER
AUTH GEHRING PJ HEFNER RE JR
RPDT 731212
PGNO 30
COPY DOW CONFIDENTIAL
INDX ANIMAL
 ANIMAL DISEASES
 BIBLIOGRAPHIES
 BIOCHEMICAL REACTIONS
 CANCER
 CHEMICAL REACTIONS

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R8S151150

EXCRETORY SYSTEMS
EXPOSURE
LIVER
MAMMAL
MERCAPTO GROUP
METABOLISM
MORTALITY.
NEOPLASM
ORGAN
PATHOLOGY
RAT
RODENT
TOXICITY
WEIGHT

FRIM ANGIOSARCOMA
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 752011
RPNO SCP 16
TITL MONOMER TRAINING PROGRAM
AUTH FOLEY RD
RPDT 750311
PGNO 21
COPY DOW CONFIDENTIAL
INDX ACCIDENTS
BUSINESS OPERATIONS
EMPLOYEE RELATIONS
EQUIPMENT
EXPLOSION
EXPOSURE
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HUMANS
MONITORING
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FRIM OCCUPATIONAL SAFETY AND HEALTH ACT
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

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ACCN 751870
RPNO B 16778
TITL RESULTS OF A VINYL CHLORIDE - TERATOLOGY STUDY IN MICE, RATS AND RABBITS

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AUTH BALMER MF GEHRING PJ LEONG BKJ SCHWETZ BA SMITH FA

RPDT 750228

PGNO 31

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INDX ANIMAL

EMBRYO

FETUS

MAMMAL

MOUSE

PREGNANCY

RABBIT

RAT

RODENT

TERATOGENESIS

TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

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ACCN 750814

RPNO HET K-001711(16)

TITL RADIOCHEMICAL PURITY OF SYNTHESIZED 1,2-14C-VINYL CHLORIDE MONOMER

AUTH GEHRING PJ HEFNER RE JR WATANABE PG

RPDT 750117

PGNO 13

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INDX ABSORPTION SPECTRA

ANALYSIS

ANALYTICAL METHODS

CHROMATOGRAPHY

GAS CHROMATOGRAPHY

IR SPECTROMETRY

MASS SPECTROMETRY

PURITY

RADIATION

RADIOACTIVITY

SPECTRA

CHEMICAL TERMS (DR #'s and Chemical Names)

01562954A ETHENE-14C2: CHLORO-

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ACCN 746374

RPNO B 16709

TITL VINYL CHLORIDE (VCM) EXPOSURES ENGINEERING CONTROLS AND WORK PRACTICES

AUTH OELFKE KH

RPDT 741111

PGNO 4

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CRI REPORTS 1937 to Present
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INDX EXPOSURE
HEALTH
HUMANS
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OPERATING CONDITIONS
PLANT SCALE

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986 ETHENE: CHLORO-

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ACCN 745942
RPNO B 16699
TITL THE TOXICOLOGICAL DATA AND INDUSTRIAL EXPERIENCE WITH VINYL CHLORIDE
AUTH RAUSCH DA ROWE VK
RPDT 741028
PGNO 41
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INDX ANIMAL
ANIMAL DISEASES
CANCER
EXCRETORY SYSTEMS
EXPOSURE
HEALTH
HUMANS
INDUSTRIAL HYGIENE
LIVER
MAMMAL
MONITORING
MORTALITY
ORGAN
ORGANOGENESIS
RAT
REVIEWS
RODENT
SAFETY
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986A ETHENE: CHLORO-
01141986B ETHENE: CHLORO-

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ACCN 744784
RPNO NCT 5628
TITL STUDIES OF HAZARDOUS CHEMICALS AND THEIR REACTIONS 99. VINYL CHLORIDE
MONOMER (VCM)
AUTH STULL DR

CONFIDENTIAL

R&S151153

CRID

CRI REPORTS 1937 to Present
*** DOW CONFIDENTIAL ***

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RPDT 740903
PGNO 65
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INDX ACCIDENTS
BIBLIOGRAPHIES
DEGRADATION
EXPLOSION,
FIRE
HEALTH
INDUSTRIAL HYGIENE
PHYSICAL PROPERTIES
SAFETY
STABILITY
STORAGE STABILITY
TRANSPORTATION

FRIM LAB 107 , PROBLEM 107-9005500
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986P ETHENE: CHLORO-

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ACCN 744301
RPNO B 16652
TITL LONG-TERM MORTALITY EXPERIENCE OF 594 EMPLOYEES EXPOSED TO VINYL
CHLORIDE IN A CONTROLLED INDUSTRIAL ENVIRONMENT
AUTH HOLDER BB LANGNER RR OTT MG
RPDT 740723
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INDX ANIMAL DISEASES
CANCER
EXCRETORY SYSTEMS
EXPOSURE
HEALTH
HUMANS
INDUSTRIAL HYGIENE
LIVER
MORTALITY
ORGAN

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 743716
RPNO TNV 99
TITL VINYL CHLORIDE AND THE TERNEUZEN-SITE: A STATUS REPORT
AUTH BOSMAN CJ
RPDT 740712

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R&S151154

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CRI REPORTS 1937 to Present
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INDX ANALYSIS
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HUMANS

FRTM OCCUPATIONAL SAFETY AND HEALTH ACT , TERNEUZEN, NETHERLANDS
CHEMICAL TERMS (DR #'s and Chemical Names)
01141986A ETHENE: CHLORO-
01141986B ETHENE: CHLORO-

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ACCN 743006
RPNO B 16632
TITL PRELIMINARY STUDIES OF THE FATE OF INHALED VINYL CHLORIDE MONOMER (VCM)
IN RATS
AUTH GEHRING PJ HEFNER RE JR WATANABE PG
RPDT 740500
PGNO 32
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BIOCHEMICAL REACTIONS
CHEMICAL REACTIONS
EXCRETORY SYSTEMS
INHALATION TOXICITY
INHALATION TOXICITY
LIVER
MAMMAL
METABOLISM
METABOLITES
ORGAN
RAT
RODENT
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)
01141986B ETHENE: CHLORO-

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ACCN 742846
RPNO B 16629
TITL EXPERIENCE IN INDUSTRIAL EXPOSURE CONTROL
AUTH ROWE VK
RPDT 740524
PGNO 14
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INDX ENVIRONMENT

CONFIDENTIAL

R&S151155

EXPOSURE
HEALTH
HUMANS
INDUSTRIAL HYGIENE
MONITORING

CHEMICAL TERMS (DR #'s and Chemical Names)

01141986B ETHENE: CHLORO-

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ACCN 741884

RPNO AR I 1-71-1896 (REV.)

TITL CLASSIFICATION OF CHEMICAL REACTIVITY HAZARDS

AUTH FLYNN JP ROSSOW HE

RPDT 710600

PGNO 159

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INDX ACTIVITY

ANHYDROUS

CHEMICAL COMPOUNDS

COMPOSITION

CRUDE OIL

DRYING

FUELS

GASOLINE

HAZARDS

HEAT OF DEGRADATION

HEAT OF REACTION

MOTOR FUEL

OPERATING CONDITIONS

PERFORMANCE TESTS

PETROLEUM

PETROLEUM FRACTIONS

PETROLEUM FRACTIONS

PHYSICAL PROPERTIES

PRESSURE

RANKING

SHOCK SENSITIVITY TESTS

TEMPERATURE

THERMODYNAMIC PROPERTIES

CHEMICAL TERMS (DR #'s and Chemical Names)

00000599 ETHANOL: 2-BUTOXY-

00000602 ETHANOL: 2,2'-OXYBIS-

00000624 ETHANE: 1,1'-OXYBIS(2-CHLORO-

00001785 3-PENTEN-2-ONE: 4-METHYL-

00002971 CYCLOHEXANONE

00004273 PROPANENITRILE: 3-HYDROXY-

00005298 2-PENTANONE: 4-METHYL-

00005301 2-BUTANONE

00006019 METHANE: BROMO-

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R&S151156

00006075 2-FURANCARBOXALDEHYDE
00006111 BUTANAL
00006122 2-BUTENAL
00006406 ETHANOL: 2-AMINO-
00006417 ETHANOL: 2,2'-IMINOBIS-
00006451 2-HEXENAL: 2-ETHYL-
00006746 PROPANAL: 2-METHYL-
00008548 CYCLOHEXENE: 1-METHYL-4-(1-METHYLETHENYL)-
00009745 MORPHOLINE
00011450 BENZENE: TRICHLORO-
00011585 BENZENE: ETHYL-
00012088 NAPHTHALENE
00012748 2-CYCLOHEXEN-1-ONE: 3,5,5-TRIMETHYL-
00014982 ETHANOL: 2,2'-(1,2-ETHANEDIYLBIS(OXY))BIS-
00014993 ETHANOL: 2,2'-(OXYBIS(2,1-ETHANEDIYLOXY))BIS-
00015827 OXIRANE: METHYL-
00015838 OXIRANE: (CHLOROMETHYL)-
00015849 METHANE: DICHLORO-
00015872 ETHANE: 1,2-DIBROMO-
00015883 ETHANE: 1,1,1-TRICHLORO-
00015929 1-PROPENE: 3-CHLORO-
00015974 METHANE: DIMETHOXY-
00016397 2-PROPEN-1-OL
00018531 ETHANE: 1,2-DICHLORO-
00019170 ETHANE: 1,1'-OXYBIS-
00019181 NAPHTHALENE: 1,2,3,4-TETRAHYDRO-
00019625 BENZENE: (1-METHYLETHYL)-
00019943 PROPANE: 1,2-DICHLORO-
00020097 CYCLOHEXANE
00020575 METHANE: DICHLORODIFLUORO-
00020600 1,3-BUTADIENE
00020611 ETHENE: 1,1-DICHLORO-
00020779 PYRIDINE
00021136 1,2-BENZENEDICARBOXYLIC ACID,
DIBUTYL ESTER
00021421 THIOPHENE: TETRAHYDRO-, 1,1-DIOXIDE
00022128 PROPANAL
00022300 ACETIC ACID, METHYL ESTER
00023518 1-PROPENE
00023574 ASPHALT
00023609 METHANE: TRICHLORO-
00023654 METHANE: TETRACHLORO-
00023698 ETHENE: TETRACHLORO-
00023701 ETHANE: CHLORO-
00023734 METHANE: CHLORO-
00023836 ACETONITRILE
00023916 ETHANOL
00023938 METHANOL
00023950 1-PROPANOL
00023961 2-PROPANOL
00023972 1-BUTANOL
00023983 2-BUTANOL
00023994 1-PROPANOL: 2-METHYL-

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R&S151157

00024000 1-PENTANOL
00024055 1,2-ETHANEDIOL
00024066 1,2-PROPANEDIOL
00024077 1,2,3-PROPANETRIOL
00024168 PROPANE: 2,2'-OXYBIS-
00024180 ETHANOL: 2-ETHOXY-
00024191 ETHANOL: 2-METHOXY-
00024204 FORMALDEHYDE
00024215 ACETALDEHYDE
00024226 2-PROPENAL
00024271 2-PROPANONE
00024282 ACETIC ACID
00024293 PROPANOIC ACID
00024306 BUTANOIC ACID
00024317 2-PROPENOIC ACID
00024351 FORMIC ACID
00024497 ACETIC ACID, ANHYDRIDE
00024522 ACETIC ACID, ETHYL ESTER
00024555 ACETIC ACID, BUTYL ESTER
00024737 METHANAMINE: N-METHYL-
00024760 ETHANAMINE: N-ETHYL-
00025058 BENZENE
00025070 BENZENE: METHYL-
00025081 BENZENE: DIMETHYL-
00025296 BENZENE: CHLORO-
00025809 DOWELL INHIBITOR B
00028068 BENZENAMINE
00028659 AZIRIDINE
00029016 BUTANE
00029390 TURPENTINE
00029823 SULFUR
00030206 METHANE
00030228 PROPANE
00032031 ETHANOL: 2-(2-ETHOXYETHOXY)-
00032677 BENZENE: DIETHYL-
00035530 PROPANENITRILE: 2-(ACETYLOXY)-2-METHYL-
00041849 ETHANOL: 2-((2-AMINOETHYL)AMINO)-
00042320 1,2-ETHANEDIAMINE: N,N'-BIS(2-AMINOETHYL)-
00042897 2,4-PENTANEDIOL: 2-METHYL-
00043527 2-PROPANOL: 2-METHYL-
00043652 PROPANE: 1-NITRO-
00043845 HYDROCHLORIC ACID (HCL)
00046140 CARBON DISULFIDE
00051547 ETHANEDIAL
00052562 ETHANOL: 2-(2-METHOXYETHOXY)-
00052595 ETHANOL: 2-(2-(2-ETHOXYETHOXY)ETHOXY)-
00053598 BENZENE: ETHENYLMETHYL-
00053907 ACETIC ACID, ETHENYL ESTER
00056597 BENZENE: TRIETHYL-
00057169 PHENOL: NONYL-
00062088 2-PROPENOIC ACID: 2-METHYL-, METHYL ESTER
00066342 AMMONIA (NH3)
00067834 CHLORINE

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F&S151158

00079914 SODIUM HYDROXIDE (NA(OH))
00087649 1,2-ETHANEDIAMINE
00087694 1,2-ETHANEDIAMINE: N-(2-AMINOETHYL)-
00088313 1-HEXANOL: 2-ETHYL-
00093378 2-OXETANONE
00093583 SULFURIC ACID
00093618 BENZENE: 1,2-DIMETHYL-
00093630 BENZENE: 1,4-DIMETHYL-
00093652 BENZENE: 1-METHYL-4-(1-METHYLETHYL)-
00095476 4-HEPTANONE: 2,6-DIMETHYL-
00095625 ACETIC ACID, 1-METHYLETHYL ESTER
00095636 2-PROPENOIC ACID, ETHYL ESTER
00095669 2-PROPENOIC ACID, METHYL ESTER
00099854 1-DECANOL
00101008 1,2-BUTANEDIOL, MIXTURE WITH 1,3-BUTANEDIOL AND 1,
4-BUTANEDIOL
00122190 1,2-ETHANEDIOL, DIACETATE
00129759 HYDROFLUORIC ACID (HF)
00131533 2-PROPANOL: 1,1'-IMINOBIS-
00139991 1-BUTANOL: 3-METHYL-, ACETATE
00162152 NITRIC ACID
00162210 PHOSPHORIC ACID
00162221 PHOSPHORUS
00164830 1,2-BENZENEDICARBOXYLIC ACID,
BUTYL PHENYLMETHYL ESTER
00167339 HEXANE
00170467 ALUMINUM: TRIETHYL-
00221454 2-PROPENOIC ACID, BUTYL ESTER
00221487 2-PROPENOIC ACID, 2-ETHYLHEXYL ESTER
00269885 CRESOTE OIL, (K-28040)
00318989 ACETIC ACID, 1-METHYLPROPYL ESTER
00321039 ACETIC ACID, PROPYL ESTER
00321073 ACETIC ACID, 2-METHYLPROPYL ESTER
00321095 ACETIC ACID, PENTYL ESTER
00324696 HEXANEDINITRILE
00333835 PHENOL: METHYL-
00343613 1-NONANOL
00345051 PENTANAL
00345255 PROPANOIC ACID, ANHYDRIDE
00346225 1-TRIDECANOL
00389946 ETHANOL: 2-ETHOXY-, ACETATE
00391242 2-HEXANOL
00391480 HEPTANE
00414517 1,3-BUTADIENE: 2-METHYL-
00510576 NONANE
00553946 BUTANAL: 2-METHYL-
00709977 PLUMBANE: TETRAETHYL-
00771120 PENTANE
00888846 ISOOCTYL ALCOHOL
00994809 METHANE: CHLORODIFLUORO-
00995788 NITROGEN OXIDE (N2O)
00996952 BUTANE: 2-METHYL-
00999859 POTASSIUM HYDROXIDE

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R&S151159

01002079 1-PROPENE, TETRAMER
01031012 ETHANOL: 2,2',2''-NITRILOTRIS-
01031034 BENZENE: ETHENYL-
01031170 2-PROPENENITRILE
01031421 PROPANOL: OXYBIS-
01033574 ALKYLATE 122
01115419 PHENOL
01117551 BENZENE: DICHLORO-
01141975 OXIRANE
01141986 ETHENE: CHLORO-
01141997 ETHENE: TRICHLORO-
01181448 2-PROPANOL: 1-AMINO-
01181813 PENTENE: 2,4,4-TRIMETHYL-
01234259 1-PROPENE, TRIMER
01330763 CHLOROSULFURIC ACID (CLH(SO3))
01376041 1-PROPENE: DICHLORO-
01383660 NONANAL: 8-METHYL-
01389668 JP4 FUEL
01399162 MINERAL SPIRITS
01435785 CAMPHORATED OIL
01551480 JP3 FUEL
01551491 JP5 FUEL
01560867 LIGROIN, 38% BENZENE
01563231 HEPTENE
01563275 HEPTANAL: 6-METHYL-
01586125 SULFURIC ACID, MIXTURE WITH SULFUR TRIOXIDE
01988869 1-NONANOL: 8-METHYL-

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ACCN 723534

RPNO NCT 5305

TITL ANALYSIS OF HAZARDOUS MATERIALS TRANSPORT 2. THE DESTRUCTIVENESS OF
EXPLOSIONS

AUTH STULL DR

RPDT 720508

PGNO 25

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INDX ACCIDENTS

BOILERS

EQUIPMENT

EXPLOSION

HAZARDS

HEATING EQUIPMENT

RAILROAD INDUSTRY

STEAM

TANK CARS

THEORY

TRANSPORTATION INDUSTRIES

WATER VAPOR

FRM PROBLEM 998-0025220 , LAB 998

CONFIDENTIAL

R&S151160

CHEMICAL TERMS (DR #'s and Chemical Names)
00308689 BENZENE: 2-METHYL-1,3,5-TRINITRO-
01030031 WATER
01141975 OXIRANE
01141986 ETHENE: CHLORO-

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ACCN 723012
RPNO NCT 5302
TITL EQUILIBRIUM DISTRIBUTION OF PRODUCTS OF VINYL CHLORIDE/CHLORINE REACTION
AUTH CHASE MW
RPDT 720420
PGNO 3
COPY DOW CONFIDENTIAL
INDX CALCULATION
EQUILIBRIUM
HAZARDS
-- PHYSICAL PROPERTIES
STEADY STATE
THERMODYNAMIC PROPERTIES
THERMODYNAMICS

FRTM PROBLEM 107-9005126 , LAB 107
CHEMICAL TERMS (DR #'s and Chemical Names)
00020611P ETHENE: 1,1-DICHLORO-
00023665P ETHENE: 1,2-DICHLORO-
00023687P ETHANE: 1,1,2-TRICHLORO-
00043845P HYDROCHLORIC ACID (HCL)
00067834R CHLORINE
01141986R ETHENE: CHLORO-

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ACCN 721573
RPNO PE TM 71-48
TITL SAFETY IN POLYVINYL CHLORIDE PLANTS VINYL CHLORIDE SAFETY ASSOCIATION
AUTH CHRISTIANSON TK
RPDT 711228
COPY DOW CONFIDENTIAL
INDX ACCIDENTS
ACOUSTIC ENVIRONMENT
CATALYSTS
CHEMICAL REACTIONS
ENVIRONMENT
HAZARDS
MATERIALS HANDLING
NOISE
OPERATING CONDITIONS
PEROXIDES
PLANT SCALE

CONFIDENTIAL

R&S151161

POLYMERIZATION
PRESSURE
SAFETY
WELDING

CHEMICAL TERMS (DR #'s and Chemical Names)

00249445P ETHENE: CHLORO-, HOMOPOLYMER
01141986R ETHENE: CHLORO-
01399322 LUCIDOL 98%

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ACCN 714283
RPNO B 15711
TITL CHEMICAL THERMODYNAMICS AND FIRE PROBLEMS
AUTH STULL DR
RPDT 710914
COPY DOW CONFIDENTIAL
INDX ACCIDENTS
ACTIVITY
COMBUSTION
COMPOSITION
COMPUTER PROGRAM
CONTROL
ENERGY
ENTHALPY
ENTROPY
EQUILIBRIUM
FIRE
HAZARDS
OPERATING CONDITIONS
PHYSICAL PROPERTIES
PRESSURE
STEADY STATE
TEMPERATURE
THERMODYNAMIC PROPERTIES
VOLUME

FRFM NATIONAL FIRE PROTECTION ASSOCIATION , FIRE FIGHTING , DISASTER CONTROL

CHEMICAL TERMS (DR #'s and Chemical Names)

00023530 ETHYNE
00029812 NITRIC ACID, AMMONIUM SALT
00030206 METHANE
00043845P HYDROCHLORIC ACID (HCL)
00067856P HYDROCYANIC ACID (H(CN))
00159364P CARBON DIOXIDE (CO2)
00343533 OCTANE
00995755 NITROGEN
00995982 OXYGEN
01030031P WATER
01141986R ETHENE: CHLORO-

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R&S151162

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·ACCN 713064
RPNO SRI PEP 17A2
TITL REPORT NO. 17A2 ACRYLONITRILE FROM ETHYLENE AND PROPYLENE INTERIM REPORT
PRIOR TO SUPPLEMENT A
AUTH STANFORD RES INS
RPDT 710600
COPY DOW CONFIDENTIAL
INDX ACTINIDES
AIR
AMMOXIDATION
BOILING POINT
CHEMICAL REACTIONS
COSTS
CRITICAL STATE
CYANATION
DENSITY
-- DESIGN
DIAGRAMS
ECONOMICS
ENGINEERING
EQUILIBRIUM
EQUIPMENT
EXPLOSIBILITY
FLUIDS
FREE ENERGY
FREEZING POINT
HEALTH
HEAT OF EVAPORATION
HEAT OF FORMATION
HEAT OF REACTION
HEAT OF TRANSITION
INDUSTRIAL HYGIENE
LEGAL CONSIDERATION
LIQUIDS
OPERATING CONDITIONS
OXIDATION
PATENT STATUS
PHYSICAL PROPERTIES
REACTORS
REVIEWS
SAFETY
SPECIFICATIONS
STEADY STATE
TEMPERATURE
THERMODYNAMIC PROPERTIES
TRANSITION TEMPERATURE
VAPOR PRESSURE
YIELD

FRM CRITICAL PRESSURE , PLATINUM METALS , ASAHI CHEMICAL CO. , FREE ENERGY

CONFIDENTIAL

R&S151163

OF FORMATION , EXPLOSIVE LIMITS , CRITICAL TEMPERATURE
CHEMICAL TERMS (DR #'s and Chemical Names)

00018531 ETHANE: 1,2-DICHLORO-
00023518R 1-PROPENE
00023541R ETHENE
00023836 ACETONITRILE
00023847 PROPANENITRILE
00029787 ARSENIC (AS)
00030228R PROPANE
00043845 HYDROCHLORIC ACID (HCL)
00045783 AMMONIUM CHLORIDE ((NH4)CL)
00050759 PROPANENITRILE: 3-CHLORO-
00066342R AMMONIA (NH3)
00067856R HYDROCYANIC ACID (H(CN))
00067867P CARBON MONOXIDE (CO)
00159342 IRON (FE)
00162016 MANGANESE
00162221 PHOSPHORUS
00564341 CESIUM
00588012 BISMUTH
00588363 MOLYBDENUM
00589399 ANTIMONY
00594741 VANADIUM
00995982R OXYGEN
00995993 PALLADIUM
01002342 THORIUM
01002568 URANIUM
01030031 WATER
01031170P 2-PROPENENITRILE
01141986 ETHENE: CHLORO-
01194510 BUTENE
01274802 PALLADIUM CYANIDE (PD(CN)2)
01643578 BISMUTH PHOSPHOMOLYBDATE

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ACCN 704965

RPNO FPR 11

TITL SELECTION OF BLOWING AGENTS FOR THE STYROFOAM PROCESS. PART II. STABLE,
LOW DENSITY STYROFOAM

AUTH CORBETT JM FOOKES JL

RPDT 701027

PGNO 72

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INDX BLOWING AGENTS

CELL

COMPUTATION

COMPUTER PROGRAM

DIMENSIONAL STABILITY

FLAMMABILITY

FOAMS

MIXTURES

CONFIDENTIAL

R&S151164

OPERATING CONDITIONS
PERMEABILITY
PHYSICAL PROPERTIES
PRESSURE
SOLUBILITY
STABILITY
TOXICITY

CHEMICAL TERMS (DR #'s and Chemical Names)

00002879 BENZENE: ETHENYL-, HOMOPOLYMER
00020575 METHANE: DICHLORODIFLUORO-
00023518 1-PROPENE
00023541 ETHENE
00023701 ETHANE: CHLORO-
00023734 METHANE: CHLORO-
00030206 METHANE
00030217 ETHANE
00030228 PROPANE
00055481 METHANE: OXYBIS-
00070495 STYROFOAM
00222071 TYRIL 767
00771120 PENTANE
00793964 METHANE: DIFLUORO-
00994752 ETHENE: FLUORO-
00994809 METHANE: CHLORODIFLUORO-
00995755 NITROGEN
00995982 OXYGEN
01027743 LOW DENSITY STYROFOAM
01027765 BENZENE: ETHENYL-, POLYMER WITH 2-PROPENENITRILE
01031669 BENZENE: ETHENYL-, POLYMER WITH 2,
5-FURANDIONE
01141986 ETHENE: CHLORO-

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ACCN 702332
RPNO PE TM 70-16
TITL SAFETY IN POLYVINYL CHLORIDE PLANTS - REPORT FROM THE VINYL CHLORIDE
SAFETY ASSOCIATION
AUTH ENGLUND SM
RPDT 700101
COPY DOW CONFIDENTIAL
INDX CHEMICAL REACTIONS
CLEANING
EQUIPMENT
HUMANS
OPERATING CONDITIONS
PLANT SCALE
POLYMERIZATION
PRODUCTION
REACTORS
RELIEF VALVES

CONFIDENTIAL

R&S151165

SAFETY
TOXICITY
VALVES

FRIM LAB 286

CHEMICAL TERMS (DR #'s and Chemical Names)

00249445B ETHENE: CHLORO-, HOMOPOLYMER

01141986B ETHENE: CHLORO-

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ACCN

RPNO TPX 633-2-S

TITL EXPLORATORY VINYL BENZOATE POLYMERS

AUTH LOEFFLER NR

RPDT 690000

COPY DOW CONFIDENTIAL

INDX VINYL ALCOHOL: POLYMERS, PREPN. BY HYDROLYSIS OF POLY(VINYL BENZOATE)

-- VINYL CHLORIDE: POLYMER-CO; BUTYL ACRYLATE + VINYL BENZOATE

ACRYLIC ACID: (TRIPROPYLENE GLYCOL METHYL ETHER) ESTER, POLYMER-CO;
VINYL BENZOATEACRYLIC ACID: BUTYL ESTER, POLYMER-CO; 2-HYDROXYETHYL ESTER + VINYL
BENZOATE

ACRYLIC ACID: BUTYL ESTER, POLYMER-CO; VINYL BENZOATE

ACRYLIC ACID: 2-HYDROXYETHYL ESTER, POLYMER-CO; VINYL BENZOATE

ACRYLIC ACID: POLYMER-CO; BUTYL ACRYLATE + METHACRYLIC ACID, TOXICITY

ACRYLIC ACID: POLYMER-CO; BUTYL ACRYLATE + METHACRYLIC ACID + VINYL
BENZOATE

BENZOIC ACID: VINYL ESTER, POLYMER CONTAINING

BENZOIC ACID: VINYL ESTER, POLYMERS, HYDROLYSIS

FUMARIC ACID: DIBUTYL ESTER, POLYMER-CO; VINYL BENZOATE

FUMARIC ACID: 2-METHOXYETHYL ESTER, POLYMER-CO; VINYL BENZOATE

MALEIC ACID: 2-(2-BUTOXYETHOXY)ETHYL ESTER, POLYMER-CO; VINYL BENZOATE

MALEIC ACID: DIBUTYL ESTER, POLYMER-CO; VINYL BENZOATE

MALEIC ACID: DIETHYL ESTER, POLYMER-CO; VINYL BENZOATE

MALEIC ACID: ISOCTYL ESTER, POLYMER-CO; VINYL BENZOATE

MALEIC ACID: (TRIPROPYLENE GLYCOL METHYL ETHER) ESTER, POLYMER-CO;
VINYL

PHENOL: P-METHOXY-, (DERIV\$) INHIBITOR OF VINYL BENZOATE

POLYMERIZATION

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ACCN

RPNO B 13,662

TITL ESTABLISHING EXPOSURE TO VINYL CHLORIDE VAPOR BY BREATH ANALYSIS AND
CONTINUOUS ENVIRONMENTAL SURVEILLANCE

AUTH BARETTA ED STEWART RD MUTCHLER JE

RPDT 680000

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INDX VINYL CHLORIDE: EXPOSURE TO VAPOR, MEASUREMENT OF

CONFIDENTIAL

R&S151166

VINYL CHLORIDE: TOXICITY

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ACCN
RPNO B 13,883
TITL THE CORRELATION OF CLINICAL AND ENVIRONMENTAL MEASUREMENTS FOR WORKERS
EXPOSED TO VINYL CHLORIDE
AUTH KRAMER CG MUTCHEER JE
RPDT 680000
COPY DOW CONFIDENTIAL
INDX VINYL CHLORIDE: TOXICITY

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ACCN
RPNO BCT 2.QO-000002-1
TITL SKIN IRRITATION STUDIES CONDUCTED ON CADILLAC PLASTIC VINYL FILM H- 203
AUTH NORRIS JM
RPDT 680000
COPY DOW CONFIDENTIAL
INDX VINYL CHLORIDE: POLYMERS, FILM, TOXICITY
CADILLAC H-203: TOXICITY

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ACCN
RPNO PSS 16
TITL PEROXIDE AND ACETYLENE FORMATION IN VCL MONOMER -- HISTORY, HAZARDS, AND
PRECAUTIONS
AUTH NYBERG DG
RPDT 670000
COPY DOW CONFIDENTIAL
INDX VINYL CHLORIDE: PEROXIDES IN, FORMATION OF
ACETYLENE: IN VINYL CHLORIDE, FORMATION OF
PEROXIDES: IN VINYL CHLORIDE, FORMATION OF

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ACCN
RPNO RL 3705
TITL RADIATION-INDUCED CROSS-LINKING OF POLYETHYLENE. I. EFFECTS OF GASEOUS
ADDITIVES
AUTH KROMANN PR
RPDT 670000
COPY DOW CONFIDENTIAL
INDX PROPENE: AS CROSS-LINKING AGENT FOR POLYETHYLENE
RADIATION: OF POLYETHYLENE TO INDUCE CROSS-LINKING
SULFUR FLUORIDE: SF6, AS CROSS-LINKING AGENT FOR POLYETHYLENE

CONFIDENTIAL

R&S151167

VINYL CHLORIDE: AS CROSS-LINKING AGENT FOR POLYETHYLENE
ACETYLENE: AS CROSS-LINKING AGENT FOR POLYETHYLENE
AIR: AS CROSS-LINKING AGENT FOR POLYETHYLENE
ALLENE: AS CROSS-LINKING AGENT FOR POLYETHYLENE
AMMONIA: AS CROSS-LINKING AGENT FOR POLYETHYLENE
1, 3-BUTADIENE: AS CROSS-LINKING AGENT FOR POLYETHYLENE
CYCLOPROPANE: AS CROSS-LINKING AGENT FOR POLYETHYLENE
ETHYLENE: POLYMERS, CROSS-LINKING BY RADIATION, SENSITIZERS FOR
NITROGEN: AS CROSS-LINKING AGENT FOR POLYETHYLENE
NITROGEN OXIDE: NO, AS CROSS-LINKING AGENT FOR POLYETHYLENE
POLYMERS: CROSS-LINKING USING RADIATION

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RPNO BCT 2.QX-3471.2-1

TITL TOXICOLOGICAL PROPERTIES AND INDUSTRIAL HANDLING HAZARDS OF QX-3471.2
(COPOLYMER CONTAINING VINYL CHLORIDE, VINYLIDINE CHLORIDE, ETHYL

-- ACRYLATE, METHYL METHACRYLATE)

AUTH TAYLOR Y OLSON KJ

RPDT 660000

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INDX QX-3471.2: TOXICITY

VINYL CHLORIDE: POLYMER-CO; ETHYL ACRYLATE + METHYL METHACRYLATE +
VINYLIDENE CHLORIDE, TOXICITY

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RPNO BCT 2.36-124-1

TITL RESULTS OF RANGE FINDING TOXICOLOGICAL TESTS ON POLYVINYL CHLORIDE
PLASTIC BOTTLE (PRELL) FORMULATION AND STABILIZER (MARK X)

AUTH WILSON H OLSON KJ

RPDT 660000

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INDX VINYL CHLORIDE: POLYMERS, BOTTLES OF, TOXICITY
MARK X: TOXICITY

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RPNO BCT 2.43-148-1

TITL EYE IRRITATING PROPERTIES OF HAIR SPRAY FORMULATIONS CONTAINING VARYING
PROPORTIONS OF FREONS 11 AND 12, VINYL CHLORIDE, METHYL CHLOROFORM,
METHYLENE CHLORIDE, ETC.

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RPDT 650000

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INDX HAIR: SPRAYS FOR, TOXICITY TO EYES

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RPNO B 7,200

TITL THE TOXICITY OF VINYL CHLORIDE AS DETERMINED BY REPEATED EXPOSURE OF
LABORATORY ANIMALS

AUTH OYEN F TORKELSON TR ROWE VK

RPDT 610000

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INDX VINYL CHLORIDE: TOXICITY

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RPNO BCT 3.4-16-3,4,5

TITL THE TOXICITY OF VINYL CHLORIDE AS DETERMINED BY: REPEATED EXPOSURE OF
LABORATORY ANIMALS TORKELSON TR

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INDX VINYL CHLORIDE: TOXICITY

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