

VINYL CHLORIDE MONITORING

ITEM 1

BFG Number	03-058159
Title	FIRE PERFORMANCE OF POLY(VINYL CHLORIDE) PRODUCTS
Authors	HIRSCHLER M M;SHAKIR S
Recipients	
Document Date	10 Apr 1990
Document Type	PUBLISHED PAPER
Restriction	0 (Unrestricted)
Master File Location	ALTC
Storage Media	MICROFILM
Abstract	THIS PAPER HAS BEEN APPROVED FOR PRESENTATION AT A CONFERENCE ON RECENT ADVANCES IN THE FIRE RETARDANCY OF POLYMERIC MATERIALS AND FOR SUBSEQUENT PUBLICATION. THE PAPER DISCUSSES THE FIRE PERFORMANCE OF PVC AND COMPARES IT WITH THAT OF OTHER POLYMERS. THE FIRE PROPERTIES OF GREATEST INTEREST ARE IGNITABILITY, FLAME SPREAD, RATE AND TOTAL HEAT RELEASE, MASS LOSS RATE, AND TOXICITY. THE DECAY OF HCL IN FIRES DECREASES PVC SMOKE TOXICITY RELATIVE TO THAT OF OTHER MATERIALS THAT RELEASE TOXICANTS THAT DO NOT DECAY. THE RESULTS FROM TESTS CARRIED OUT IN THE NBS CONE CALORIMETER AND THE OSU CALORIMETER ARE USED TO DEMONSTRATE THE EXCELLENT FIRE PROPERTIES OF PVC.

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ITEM 2

BFG Number 25-006433
Title INTERACTION OF POLYMERS WITH NEAR-CRITICAL CARBON DIOXIDE
Authors BERENS A R;HUVARD G S
Recipients
Document Date 15 Nov 1987
Document Type APPROVED PAPER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract KINETICS AND EQUILIBRIA OF CARBON DIOXIDE IN A WIDE VARIETY OF POLYMERS HAVE BEEN STUDIED AT PRESSURES UP TO SATURATED VAPOR PRESSURE AT 25c (Tc-6C). GRAVIMETRIC DATA WERE OBTAINED BY RAPID WEIGHING OF POLYMER FILMS OF VARIED THICKNESS DURING DESORPTION AT ATMOSPHERIC PRESSURE, AFTER EXPOSURES TO COMPRESSED CO2 FOR VARIOUS TIMES AND PRESSURES. KINETICS OF ABSORPTION AND DESORPTION ARE FICKIAN; DIFFUSIVITY INCREASES WITH CO2 CONCENTRATION, AND DESORPTION IS THUS SLOWER THAN SORPTION, IN LINE WITH PREVIOUS EVIDENCE FOR THE PLASTICIZING ACTION OF CO2. SOLUBILITY OF CO2 GENERALLY INCREASES WITH INCREASING POLARITY OF THE POLYMER; EQUILIBRIUM SORPTION OF LIQUID CO2 RANGES FROM 3 WT % IN POLYETHYLENE TO 27% IN PMMA AND CELLULOSE ACETATE AND OVER 50% IN POLY(VINYL ACETATE). SORPTION ISOTHERMS, INCLUDING DATA FROM THIS STUDY AND PUBLISHED RESULTS, HAVE BEEN PLOTTED AGAINST BOTH PRESSURE AND CO2 ACTIVITY. FOR SEVERAL GLASSY POLYMERS, THE ISOTHERMS PLOTTED VS. ACTIVITY ARE SIGMOID IN SHAPE, COMBINING DUAL-MODE CHARACTER AT LOW ACTIVITY WITH FLOR...

ITEM 3

BFG Number 25-006397
Title WARM WEATHER, 3 PPM VINYL CHLORIDE ALARMS AT LOUISVILLE
Authors ZAKRISKI P M
Recipients SIMPSON A D;KEENEY C W
Document Date 29 Jul 1986
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract METHANE, PRESENT IN OUTSIDE AIR AT THE LOUISVILLE PLANT, IS BEING DETECTED AND REPORTED BY SEVERAL PROCESS ANALYZERS AS VINYL CHLORIDE. METHANE SEEMS TO BE COMING FROM THE LANDFILL ON CAMPGROUND ROAD. PROCESS GAS CHROMATOGRAPHS CAN BE ADJUSTED TO ELIMINATE INTERFERENCE BUT TOTAL HYDROCARBON ANALYZERS CANNOT.

ITEM 4

BFG Number 25-006299
Title ANALYSIS OF VCM FOR ISOBUTENE INTERFERENCES
Authors SOCKIS I; HARRIS R E
Recipients MURPHY D E
Document Date 25 Apr 1986
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract NO 1-BUTENE WAS DETECTED IN VCM LOT 1858. METHYL CHLORIDE WAS THE ONLY COMPONENT DETECTED AT A LEVEL WHICH COULD CAUSE SIGNIFICANT ERROR IN THE ISOBUTENE VALUE. RETENTION TIME OF METHYL CHLORIDE SHOULD BE CHECKED ON THE CARBOWAX/UCON COLUMN SET AT PEDRICKTOWN. CARBOPACK C/PICRIC ACID WAS TESTED AS AN ALTERNATIVE COLUMN FOR RESOLVING C4 COMPOUNDS FROM VCM AND APPEARS USEFUL.

ITEM 5

BFG Number 25-006877
Title METHOD OF TEST FOR VINYL CHLORIDE MONOMER IN AIR USING ACTIVATED CHARCOAL MONITORS AND HEADSPACE-GAS CHROMATOGRAPHIC ANALYSIS
Authors BORN J W
Recipients
Document Date 30 Jan 1986
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THIS METHOD WAS DEVELOPED FOR THE ANALYSIS OF VCM WHICH WAS COLLECTED FROM AIR BY ADSORPTION ON ACTIVATED CHARCOAL. IT IS POTENTIALLY APPLICABLE TO OTHER VOLATILE ORGANIC COMPOUNDS WHEN VALIDATION, CONSISTING OF RECOVERING KNOWN CONCENTRATIONS OF THE COMPOUNDS OF INTEREST ADDED TO THE REPRESENTATIVE MATRICES, IS INCLUDED.

ITEM 6

BFG Number 03-051128
Title FIRST INTERNATIONAL SYMPOSIUM ON FIRE SAFETY SCIENCE
Authors HIRSCHLER M M
Recipients
Document Date 22 Jan 1986
Document Type MEETING REPORT; TRIP REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THE INTERNATIONAL ASSOCIATION FOR FIRE SAFETY SCIENCE IS A NEW ORGANIZATION SPONSORED BY THE NATIONAL BUREAU OF STANDARDS. THE AUTHOR DESCRIBES HIGHLIGHTS OF PAPERS PRESENTED AT THE FIRST CONFERENCE OF THIS NEW ORGANIZATION. INCLUDED WAS A PAPER PRESENTED BY THE AUTHOR, "THERMAL DECOMPOSITION OF POLY (VINYL CHLORIDE) IN A LARGE APPARATUS: KINETICS OF GENERATION AND DECAY OF HYDROGEN CHLORIDE". A SECOND BFG PAPER WAS TITLED "NON-HALOGEN FLAME-RETARDED THERMOPLASTIC POLYURETHANES". THE REPORT INCLUDES HIGHLIGHTS OF SIGNIFICANT PAPERS AND A LIST OF ATTENDEES.

ITEM 7

BFG Number 03-048342
Title DUST EXPLOSIONS WITH PVC-SAFETY REPORT
Authors VAN DRESS M A
Recipients
Document Date 21 Nov 1983
Document Type LITERATURE SEARCH
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THIS HALF PAGE REPORT IS THE RESULT OF LIBRARY RESEARCH ON THE DUST EXPLOSION HAZARD OF PVC. NO INCIDENCES OF INDUSTRIAL PVC DUST EXPLOSIONS WERE FOUND. REPORTS OF DUST EXPLOSIONS IN THE BOWEN DRYER ARE MOST LIKELY CAUSED BY VCM VAPOR IGNITED BY STATIC DISCHARGE. THERE IS ALSO NO REASON TO BELIEVE THERE IS A PROBLEM WITH ELECTROSTATIC POWDER COATING.

ITEM 8

BFG Number 25-006649
Title COMPENSATING FIELD MONITOR
Authors ZAKRISKI P M
Recipients BURRY J J
Document Date 03 Jun 1983
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract IT IS BELIEVED THAT THE VCM COMPENSATING FIELD MONITOR CAN BE MODIFIED TO AN AUTOMATIC CONTINUOUS ANALYZER STATION. HNU AND PHOTOVAC BOTH EXPRESSED INTEREST IN THEIR PHOTOIONIZATION DETECTORS BEING COMPATIBLE WITH BFG APPLICATION NEEDS. CONSIDERATION IS LIMITED TO PHOTOIONIZATION DETECTORS AS THEY ARE THE ONLY AVAILABLE DETECTORS WITH SUFFICIENT SENSITIVITY TO DETECT 1 PPB VCM WITHOUT SAMPLE PRECONCENTRATION.

ITEM 9

BFG Number 03-047770
Title MODELING OF VCM CONCENTRATIONS DURING THERMAL PROCESSING OF PVC
Authors AHMED M J;HALLER H S
Recipients
Document Date 31 Mar 1983
Document Type SCA REPT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A MODEL IS DEVELOPED RELATING AMBIENT VINYL CHLORIDE (AVCM) LEVELS TO RVCM, BUILDING VOLUME, PVC PROCESSING RATE, BLDG TE MP, VENTILATION, ETC,. IN THE WORST CASE, ASSUMING AIR TURN-O OVER OF 5/HR, IF RVCM IS LESS THAN 32 PPM THEN AVCM WILL BE LESS THAN 0.5 PPM. (4R)

ITEM 10

BFG Number 25-006504
Title VINYL CHLORIDE PERSONAL EXPOSURE MEASUREMENTS WITH A PASSIVE ORGANIC VAPOR MONITOR
Authors ZAKRISKI P M
Recipients
Document Date 17 Mar 1983
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract EVALUATION AND REPORTING ON THE REISZNER MINIMONITOR CHARCOAL BADGE AND DIRECTIVE TO CHANGE OVER TO THAT BADGE ARE COVERED. THE BADGE IS A PASSIVE ORGANIC VAPOR MONITOR (POVM). BEING DEVELOPED IS A TECHNIQUE TO THERMALLY DESORB VINYL CHLORIDE FROM THE CARBON OF THE REISZNER POVM. THIS CAN HOPEFULLY BE ACCOMPLISHED WITH THE EXISTING BENDIX THERMAL FLASHER. FIELD TRIAL RESULTS WILL FOLLOW AFTER REFINEMENTS NEEDED FOR THERMAL FLASHING.

ITEM 11

BFG Number 25-006491
Title PLANT REVIEW OF VCM SAMPLING AND TESTING
Authors ZAKRISKI P M
Recipients MARQUIS V D
Document Date 18 Nov 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract OPPORTUNITIES FOR IMPROVEMENT ARE OUTLINED FOLLOWING A VISIT TO THE HENRY FACILITY IN SEPTEMBER 1982.

ITEM 12

BFG Number 25-006495
Title PLANT REVIEW OF VCM SAMPLING AND TESTING
Authors ZAKRISKI P M
Recipients ATKINS E E
Document Date 18 Nov 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract OPPORTUNITIES FOR IMPROVEMENT ARE OUTLINED FOLLOWING A VISIT TO THE CALVERT CITY FACILITY IN SEPTEMBER 1982.

ITEM 13

BFG Number 25-006490
Title PLANT REVIEW OF VCM SAMPLING AND TESTING
Authors ZAKRISKI P M
Recipients BIRCH R W
Document Date 18 Nov 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract OPPORTUNITIES FOR IMPROVEMENT ARE OUTLINED FOLLOWING A VISIT IN SEPTEMBER 1982 TO THE LONG BEACH FACILITY.

ITEM 14

BFG Number 25-006494
Title PLANT REVIEW OF VCM SAMPLING AND TESTING
Authors ZAKRISKI P M
Recipients BIGNER R J
Document Date 18 Nov 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract OPPORTUNITIES FOR IMPROVEMENT FOLLOWING A VISIT TO THE PLAQUEMINE FACILITY IN SEPTEMBER 1982.

ITEM 15

BFG Number 25-006637
Title ONE-TIME VINYL CHLORIDE MONOMER (VCM) CROSS-CHECK STUDY
Authors BORN J W
Recipients
Document Date 01 Oct 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract COOPERATION IS REQUESTED BY BFG DEPT 8506 IN CONDUCTING VCM CROSSCHECKS AT NUMEROUS LOCATIONS. INSTRUCTIONS GIVEN.

ITEM 16

BFG Number 25-006635
Title YOUR LETTER OF 5/19/82 AND CHEMICAL GROUP APPROVAL OF THE
BFGOODRICH COMPENSATING FIELD MONITOR -- ITS CONCEPTION, DESIGN,
FABRICATION AND PERFORMANCE
Authors BORN J W
Recipients MEYER R J
Document Date 26 May 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract LETTER IS REPLY TO IDENTICALLY TITLED LETTER OF 5/19/82 IN WHICH
REVIEW AND SUUGESTIONS WERE MADE REGARDING THIS METHOD. CERTAIN
DATA RELATIVE TO PERFORMANCE AT LOW LEVELS OF VCM CONCENTRATIONS
SHOWS EXCELLENT PERFORMANCE OF THE CFM AND WILL REMAIN IN THE
REPORT.

ITEM 17

BFG Number 25-004353
Title GC-MS ANALYSIS OF R BUILDING HIGH BAY 3 AMBIENT AIR ON 4-23-82
Authors HARRIS R E
Recipients FORSYTH T H;TOSKO G A
Document Date 27 Apr 1982
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE VINYL CHLORIDE MONITOR IN R-BUILDING HAS RECENTLY INDICATED
VCM LEVELS GREATER THAN 0.5 PPM IN THE ROOM AIR. AN AMBIENT AIR
SAMPLE WAS TAKEN FOR ANALYSIS BY GC-MS. VCM WAS CLEARLY PRESENT.

ITEM 18

BFG Number 25-006499
Title COSTS OF GENERATING PERSONNEL MONITORS FOR VINYL CHLORIDE
Authors ZAKRISKI P M
Recipients
Document Date 05 Apr 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract ESTIMATES FOR LABORATORY COSTS FOR ANALYZING A VINYL CHLORIDE
PERSONNEL SAMPLE ARE REQUESTED IN ORDER TO STUDY EFFICIENCY,
ACCURACY AND ECONOMICS OF PERSONNEL MONITORING FOR VINYL
CHLORIDE.

ITEM 19

BFG Number 25-006500
Title ANALYSIS OF VCM PERSONNEL MONITORS AT LAPORTE AND DEER PARK, TEXAS
Authors ZAKRISKI P M
Recipients BIALKE T S
Document Date 03 Mar 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract REVIEW OF VCM ANALYSIS PROCEDURES FOR PERSONNEL MONITORS AT DEER PARK AND LAPORTE, TEXAS, SUGGESTS THAT BOTH SITES PROCUR BENDIX THERMAL FLASHERS AND BEGIN FOLLOWING BFG CHEMICAL GROUP PROCEDURE 1021A. PLAQUEMINE IS RECOMMENDED TO DO SAME IN ORDER TO MAKE FOR ACCURATE AND PRECISE PERSONNEL MONITOR MEASUREMENTS. BADGES, A NIOSH STUDY RELATIVE TO CARBON CONTENT IN THE BADGES, VALIDATION, ETC., ALSO DISCUSSED. THE DEER PARK PROCEDURE, IF USED, SHOULD USE COMMERCIAL CARBON TUBES IN LIEU OF HOME-PACKED ONES. IN ADDITION, THE DEER PARK PROCEDURE SHOULD ADHERE TO A SAMPLING FLOW RATE OF BETWEEN 10 AND 50 CC/MIN. COSTS OF BENDIX FLASHER AND REUSABLE FLASHER TUBES OUTLINED.

ITEM 20

BFG Number 25-006609
Title PRECISION OF ANALYSIS FOR MEASURING PERSONAL EXPOSURE TO VINYL CHLORIDE
Authors ZAKRISKI P M
Recipients REID C B
Document Date 05 Jan 1982
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract CORPORATE ENVIRONMENTAL SERVICE LAB ABILITIES RELATIVE TO MEASUREMENT PRECISION, SAMPLING AND ANALYSIS DISCUSSED. IT HAS DOCUMENTED PERFORMANCE OF SEVERAL PLANT LABS IN A CROSSCHECK PROGRAM OVER A NUMBER OF YEARS. SUBMITTED FOLLOWING TALK WITH CANADIAN MINISTRY OF ENVIRONMENT.

ITEM 21

BFG Number 25-004126
Title REAL BADGE EXPERIMENTS
Authors HARTZ M A
Recipients BORN J W
Document Date 04 Jan 1982
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THIS LETTER DISCUSSES THE ATTEMPT TO ASSESS THE PRECISION AND ACCURACY OF THE REAL CHARCOAL BADGE METHOD OF DETERMINING EXPOSURE LEVELS TO VCM.

ITEM 22

BFG Number 03-045828
Title VINYL CHLORIDE MONOMER CONC IN WORKING ENVIRONMENTS AS RELATED
TO THE RESIDUAL VINYL CHLORIDE CONC IN STRIPPED LATEX PRODUCTS
Authors DMYTERKO P;SHAFFER R E;WEAVER D E
Recipients
Document Date 01 Feb 1981
Document Type R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THIS 90+ PG REPT DESCRIBES THE STUDIES THAT VALIDATE A DECISION
TO REMOVE THE VINYL CHLORIDE CANCER HAZARD LABEL FROM VINYL
CHLORIDE LATEX SHIPPING CONTAINERS. DETAILED DESCRIPTIONS ARE
PROVIDED OF THE OPERATION AND PHYSICAL SET-UP OF THE 1000 CU FT
SIMULATION OF A WORK ENVIRONMENT AND FOR TRANSLATING RESULTS OF
THE SIMULATION TO REAL WORLD ENVIRONMENTS AND TO VCL LATEXES,
OTHER THAN THOSE USED IN THE MODEL. THE APPENDIX CONTGS BOTH THE
NIOSH AND THE BFG STD PROCEDURES FOR SAMPLING AND ANALYZING FOR
AVCM. IT ALSO INCL-S MONITORING RESULTS OBTAINED AT RHINELANDER
PAPER CO, AND THE STATISTICAL ANALYSIS OF DATA FROM THE BFG
MODEL. (7R/9T/5F)

ITEM 23

BFG Number 03-045731
Title REMOVAL OF "CANCER-HAZARD" LABELS FROM GEON LATEXES
Authors FARLEY D E;HALLER H S
Recipients
Document Date 01 Dec 1980
Document Type STATISTICS AND COMPUTER APPLICATIONS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A COMPUTER PROGRAM WAS DEV-D WHICH SIMUL-S BOTH THE OSHA
PROCEDURE FOR MONITORING WORKER EXP TO AVCM AND THE EFFECTS OF
SAMPLING AND TESTING ON COMPLIANCE W OSHA REG. BASED ON THIS,
AVCM MUST BE LESS THAN 0.33 PPM TO ENSURE COMPLIANCE 95% OF THE
TIME. GEON 352 MEETS THIS REQ AT 50 PPM RVCM. RVCM SPECS FOR
GEONS 576 AND 450X20 SHOULD BE SET AT 20 PPM MAXIMUM. (1R/4T/5F)

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ITEM 24

BFG Number 03-046035
Title CHECK OF BASIC CONVENT BOILING REACTOR DESIGN-EXECUTIVE SUMMARY
Authors GALLOWAY F M
Recipients ADAMS Q M
Document Date 01 Jul 1980
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THE OBJECTIVE OF THIS WORK WAS TO EVALUATE THE BASIC BOILING REACTOR DESIGN FOR CONVENT FROM BADGER, USING REACTION AND BOILING ZONE MODELS. THE REQUIRED REACTOR HEIGHT WAS DETERMINED AT TWO DIFFERENT TEMPERATURE INCREMENTS, 10F AND 15F, ACROSS THE REACTION ZONE AND AT TWO DIFFERENT PRESSURES, 5 PSIG AND 20 PSIG. THE STATUS OF THE FLOW REGIME, BUBBLE OR SLUG, WAS CALCULATED AT TWO KEY POINTS FOR EACH CASE. ALL RESULTS ARE PRESENTED GRAPHICALLY.

ITEM 25

BFG Number 03-042849
Title MONTHLY SUMMARIES - 1980
Authors GALLOWAY F M
Recipients GLASS J A
Document Date 17 Jan 1980
Document Type MONTHLY REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract PROJECTS COVERED INCLUDE THE ASPEN SIMULATION OF POTENTIAL OXYCHLORINATION AND CATOXID INTEGRATED PROCESSES, EDC BOILING REACTOR DESIGN, THE CALVERT CITY HAZARDOUS POND SLUDGE TASK FORCE, DEHYDROCHLORINATION OF EDC BY TERTIARY AMINES, VINYL CHLORIDE FROM ACETYLENE, COMPUTER CONTROL OF CALVERT CITY VCM PLANT, EVALUATION OF HULS PROCESS FOR HYDROGEN CHLORIDE (HCL) RECOVERY, THE ECONOMICS OF CALCIUM CARBIDE ROUTE TO VINYL CHLORIDE, AND A SENSITIVITY ANALYSIS OF THE OXYCHLORINATION VENT RECYCLE REACTOR DESIGN MODEL.

ITEM 26

BFG Number 03-042818
Title HISTORY OF VINYL CHLORIDE POLYMERS
Authors SEMON W L;STAHL G A
Recipients
Document Date 01 Nov 1979
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IN 1926 SEMON TRIED TO DEHYDROHALOGENATE HIGH MOLECULAR WEIGHT POLY(VINYL CHLORIDE)(PVC) IN A HIGH BOILING SOLVENT TO GET AN UNSATURATED POLYMER WHICH MIGHT BOND RUBBER TO METAL. UNEXPECTEDLY HE OBTAINED PLASTICIZED PVC, A FLEXIBLE PRODUCT INERT BOTH CHEMICALLY AND ELECTRICALLY. THIS DISCOVERY OPENED THE DOOR TO THE COMMERCIALIZATION OF PVC, A PLASTIC WITH AN ANNUAL U.S. PRODUCTION NOW EXCEEDING SIX BILLION POUNDS. SPECIAL PVC-S AND PVC PRODUCTS HAVE BEEN DEVELOPED TAKING ADVANTAGE OF THE MANY FAVORABLE PROPERTIES.

ITEM 27

BFG Number 25-003160
Title REVIEW OF OSHA TESTING AT PEDRICKTOWN LAB.
Authors KURTZ O S
Recipients
Document Date 01 Oct 1979
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE OSHA RELATED LABORATORY OPERATION AT THE PEDRICKTOWN PLANT IS DEFICIENT IN SOME AREAS. RECOMMENDATIONS ARE PRESENTED TO IMPROVE THE OPERATIONS AND MAKE THEM CONSISTENT WITH THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION STANDARDS.

ITEM 28

BFG Number 25-003199
Title REVIEW OF OSHA TESTING AT CALVERT CITY PLANT LAB.
Authors KURTZ O S
Recipients
Document Date 01 Oct 1979
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE OSHA RELATED LABORATORY OPERATION AT CALVERT CITY FOLLOWS GOOD LABORATORY PRACTICE. SOME RECOMMENDATIONS ARE OFFERED TO MAKE THE OPERATIONS CONSISTENT WITH NATIONAL STANDARDS SET BY THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION.

ITEM 29

BFG Number 03-042809
Title FIFTH GENERATION VINYL CHLORIDE MONOMER PROCESS CHIPS MODEL
Authors SCHOOLEY A T
Recipients
Document Date 01 Oct 1979
Document Type RESEARCH REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THE PURPOSE OF THIS WORK HAS BEEN TO ORGANIZE THE KNOWLEDGE ON THE FIFTH GENERATION VCM PROCESS INTO A SINGLE CHIPS MODEL WHICH CAN BE MANIPULATED AND STUDIED. THE MODEL SHOULD BE USEFUL FOR MAKING MATERIAL AND ENERGY BALANCE CALCULATIONS WHEN STUDYING SUCH PROCESS VARIABLES AS FEED PURITIES, OXY VENT RECYCLE AND PROCESS OPERATING CONDITIONS. A SET OF COMPUTER PROGRAM CARDS ACCOMPANIES THE REPORT.

ITEM 30

BFG Number 25-003151
Title VINYL CHLORIDE COMPENSATING MONITOR.
Authors ZAKRISKI P M
Recipients KLUPAR J A
Document Date 01 Sep 1979
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract SUMMARY OF THE RESULTS OF THE MONITOR FOR AUGUST 23 TO SEPTEMBER 22 IS GIVEN AND RECOMMENDATION IS MADE THAT EACH FACILITY USING OR MANUFACTURING VINYL CHLORIDE INSTALL ONE MONITOR.

ITEM 31

BFG Number 03-044823
Title ANALYSIS OF PERSONNEL MONITORING TUBES COLLECTED 6/11-6/13/79 FOR PPM VCM
Authors DMYTERKO P
Recipients
Document Date 27 Jun 1979
Document Type POLYMER CHARACTERIZATION AND RHEOLOGY REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract ANALYSES FOR 24 TUBES, PLUS 5 CROSSCHECKS FOR JOHN BORN IN THE OSHA CROSS-CHECK PROGRAM, ARE REPORTED.

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ITEM 32

BFG Number 03-042714
Title 5TH GENERATION VCM MEETING, MARCH 12-16, 1979-DRAFT OF DESIGN BASIS
Authors KENAT T A
Recipients GLASS J A
Document Date 01 Apr 1979
Document Type SCIENTIFIC MEETING REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A REPORT OF THE MEETING, FOLLOWING THE FORMAT OF THE ATTACHED DESIGN BASIS, EMPHASIZES AREAS OF INTEREST TO R+D, INCLUDING DISCUSSION OF CATALYSTS, EQUIPMENT AND PROCESSES RELATED TO OXYCHLORINATION, EDC RECOVERY, EDC PURIFICATION, EDC CRACKING AND PURIFICATION AS THEY RELATE TO THE EDC LICENSING PACKAGE. BOTH WASTE TREATMENT AND ADEQUATE EMERGENCY SAFETY SYSTEMS ARE STRONGLY RECOMMENDED. ANALYZERS FOR MINIMUM OPERATION WERE REVIEWED, AS WELL AS CONTROL INSTRUMENTS AND PUMPS AND VALVES. IT WAS POINTED OUT THAT BFG IS SLIGHTLY BEHIND COMPETITORS, BUT BOILING REACTOR TECHNOLOGY AND IMPROVEMENTS IN CRACKING SHOULD RETURN BFG TO THE LEAD. A BID BASIS PLANT FOR MINIMUM COST WAS DISCUSSED WITH UNDERDEVELOPED COUNTRIES IN MIND.

ITEM 33

BFG Number 25-002837
Title ESTIMATED COST OF COMPENSATING VCM MONITOR SYSTEM.
Authors ZAKRISKI P M
Recipients FANNIN J D
Document Date 01 Feb 1979
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract AN ESTIMATE OF COST IS GIVEN FOR A PROTOTYPE COMPENSATING VCM MONITOR SYSTEM BASED ON CONCEPTUAL DESIGN.

ITEM 34

BFG Number 25-002211
Title ENVIRONMENTAL SERVICES LAB ANALYSES
Authors HARDESTY R D
Recipients
Document Date 31 Dec 1978
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract ENVIRONMENTAL SERVICES LAB ROUTINE ANALYSES PERFORMED BY THE AUTHOR AND REPORTED TO THE ABOVE BFG LOCATION DURING 1978 ARE ALL INCLUDED HERE.

ITEM 35

BFG Number 03-043734
Title VCM CONTENT OF BROTHERTON LANDFILL SUBSURFACE WATER
Authors DECAPITA E G
Recipients
Document Date 01 Dec 1978
Document Type ANALYTICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THE RVCN IN SAMPLES RANGED FROM ND TO 7.5 PPB.

ITEM 36

BFG Number 25-002674
Title TEXAS METHOD FOR VCM IN AMBIENT AIR (1PPB)
Authors ZAKRISKI P M
Recipients HOLBROOK W C
Document Date 01 Nov 1978
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract AUTHOR COMMENTS ON THE ACCURACY AND PRECISION OF THE TEXAS AIR CONTROL BOARD METHOD OF MEASURING VCM IN AMBIENT AIR.

ITEM 37

BFG Number 03-043567
Title A THERMAL MODEL OF VINYL BATCH POLYMERIZATION (BFG RESTRICTED)
Authors LONGEWAY G D
Recipients
Document Date 16 Oct 1978
Document Type R&D REPORT
Restriction 1 (Restricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract RESTRICTED: SEE INFORMATION CENTER STAFF

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ITEM 38

BFG Number 25-002671
Title A COMPARISON OF COLLECTION DEVICES FOR VINYL CHLORIDE AT
PART-PERBILLION LEVELS--BENDIX FLASHER TUBES VERSUS TEDLAR BAGS.
Authors BORN J W;FAIRLIE A M;ZAKRISKI P M
Recipients
Document Date 01 Oct 1978
Document Type STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract STUDY WAS DONE TO SHOW WHETHER CURRENT BFG METHOD (FLASHER TUBE)
GIVE ACCURATE RESULTS WITHOUT CORRECTIONS FOR ENVIRONMENTAL
VARIABLES SUCH AS RELATIVE HUMIDITY, AIR VOLUME SAMPLED AND VCM
LOAD AND TO DETERMINE WHETHER CALIFORNIA AIR RESOURCES BOARDS
METHOD OF SAMPLING AND MEASURING IS PRACTICABLE. STUDY SHOWS THE
CURRENT RESULTS ARE NOT ACCURATE AND SHOWS THE QUANTITATIVE
EFFECT OF ENVIRONMENTAL VARIABLES LEADING TO DEVELOPMENT OF
INSTRUMENTATION AND PROCEDURE TO CORRECT FOR SUCH VARIABLES.
THREE CALIBRATION SAMPLES AND 2 MONITOR SAMPLES ARE PREPARED
FROM THE SAME AMBIENT AIR PER 24-HOUR PERIOD STUDY SHOWED CARB
METHOD (TEDLAR BAGS) IS NOT CAPABLE OF MEASURING VCM
CONCENTRATIONS IN THE 5 CC SAMPLES BELOW 100 PPB AND WOULD
REQUIRE CONCENTRATION TO COMPETE WITH FLASHER TUBE METHOD.

ITEM 39

BFG Number 03-042618
Title PVC NEW PRODUCTS: A SURVEY OF MARKET NEEDS AND OPPORTUNITIES
Authors BASU P K
Recipients
Document Date 01 Oct 1978
Document Type RESEARCH REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A MARKET EXISTS FOR VINYL CHLORIDE-BASED RESINS OF IMPROVED
PROCESSABILITY WHICH COULD BE MET BY COPOLYMERIZING VINYL
CHLORIDE WITH COMONOMERS FROM THE SUBSTITUTED NORBORNENE FAMILY
BEING DEVELOPED UNDER THE TELENE PROGRAM IN THE PRICE RANGE OF
20-30 CENTS PER POUND. THESE COMONOMERS SHOULD HAVE THE ADDED
ADVANTAGE OF INCREASING THE HEAT DISTORTION TEMPERATURES,
LOWERING THE PROCESSING TEMPERATURES, LOWERING THE MELT
VISCOSITIES, LOWERING THE MELT ELASTICITIES AND INCREASING THE
HEAT STABILITY. SUCH COPOLYMERS WOULD BE IDEAL FOR RIGID, LOW
DENSITY FOAM APPLICATIONS. IF THEY CAN BE MADE BY SUSPENSION
POLYMERIZATION, THE PRICE COULD BE IN THE RANGE OF 35-40 CENTS
PER POUND.

ITEM 40

BFG Number 25-002229
Title VINYL CHLORIDE SOURCE SAMPLING AND MONITORING COMPLIANCE PROGRAM
Authors TITUS C E
Recipients
Document Date 01 Jan 1978
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract SCHEDULES FOR THE DELIVERY AND INSTALLATION OF EQUIPMENT FOR REQUIRED VCL MONITORING AT ALTC, ALGC, LOUISVILLE, HENRY, PEDRICKTOWN AND LONG BEACH AND THE SOURCE SAMPLING AND COMPLIANCE OF THE MONITORING SYSTEM FOR THESE PLANTS ARE PRESENTED.

ITEM 41

BFG Number 25-002191
Title VCL MEASUREMENTS AT AND BEYOND THE PROPERTY LINE
Authors ZAKRISKI P M
Recipients RIDER M D;ROBBIN J W
Document Date 01 Dec 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract COMPLETE COLLECTIONS OF VINYL CHLORIDE MEASUREMENTS AT AND BEYOND THE PROPERTY LINE AND THE VALIDATIONS ARE REQUESTED.

ITEM 42

BFG Number 25-002195
Title BFG VINYL CHLORIDE CROSS CHECK PROGRAM-A DIRECT LINK TO NIOSH CROSS CHECK
Authors ZAKRISKI P M
Recipients
Document Date 01 Dec 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract SINCE THOSE PLANTS PARTICIPATING IN THE ENVIRONMENTAL LAB CROSS CHECK FOR VCL WERE PLUS/MINUS EIGHT PERCENT OF THE LOADING AND THE ENVIRONMENTAL LAB IS PLUS/MINUS FOUR PERCENT OF THE LOADING IN THE NIOSH CROSS CHECK, ALL LABORATORIES ARE WITHIN THE VCL REGULATION (PLUS/MINUS 25 PERCENT).

ITEM 43

BFG Number 25-002187
Title VCL MONITORING
Authors KURTZ O S
Recipients ANDERSON P P
Document Date 01 Dec 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract SKC TUBES USED TO MONITOR VCL DURING COMPOUNDING OF HYCAR 1202X3 AT LOUISVILLE SHOWED 0.3 PPM VCL BY GAS CHROMATOGRAPHY.

ITEM 44

BFG Number 25-002031
Title USE OF GASBADGE
Authors ZAKRISKI P M
Recipients FANNIN J D
Document Date 01 Aug 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract PURCHASE OF GASBADGES AND COLLECTOR ELEMENTS FOR DAILY PERSONNEL MONITORING OF VCL IS RECOMMENDED. 25 TO 30 COMPARISON SAMPLINGS WITH THE FLASHER TUBE AND PUMPS ARE ALSO SUGGESTED.

ITEM 45

BFG Number 03-043054
Title INVESTIGATION OF POSSIBLE INTERFERENCES BY VARIOUS MONOMERS ON THE VCL AREA MONITOR/BENDIX GC AT ALGC LATEX DEPARTMENT
Authors ADAMS J D
Recipients
Document Date 01 Aug 1977
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract PREVIOUS WORK SHOWED LMW ALCOHOLS INTERFERED WITH THE VCL ANALYSIS. IN THIS WORK OTHER MONOMERS WERE TESTED FOR THEIR EFFECT USING A SPECIAL TEST CHAMBER. NONE OF THE OTHER 8 MONOMERS USED IN THE LATEX AREA INTERFERES WITH THE VCL ANALYSIS MONITOR. EGS

ITEM 46

BFG Number 25-001994
Title SAMPLING AND ANALYSIS OF BENZENE IN THE AIR
Authors BORN J W; HARDESTY R D; KURTZ O S; PASCHAL M A; ZAKRISKI P M
Recipients
Document Date 01 Jul 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract CHEMICAL DIVISION PROCEDURE NO. 2801 MEETS THE REQUIREMENTS OF LOW FLOW RATES AND SMALL SAMPLE VOLUMES TO BETTER DETECT 1 PPM OF BENZENE WITH THE CARBON TUBE/GC METHOD. TO AVOID PROBLEMS OF BREAKTHROUGH OF BENZENE IN THE CARBON TUBES DUE TO HIGH HUMIDITY WHILE SAMPLING, THE LOW FLOW RATE (10-20 CC/MIN) AND THE SMALL (1-10 LITERS) SAMPLE VOLUME ARE NECESSARY.

ITEM 47

BFG Number 25-002000
Title LOUISVILLE GASBADGE STUDY
Authors FAIRLIE A M; MENSON S M
Recipients
Document Date 01 Jun 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract PERSONNEL IN LOUISVILLE WERE MONITORED WITH GASBADGES AND FLASHER TUBES FOR VCM EXPOSURE TO DETERMINE THE RELATIONSHIP BETWEEN THEM AND THE RELIABILITY OF THE GASBADGE RESULTS. A CORRELATION COEFFICIENT OF 0.94 WAS FOUND. AS A RESULT, LINEAR LOGARITHMIC EQUATIONS WERE DEVELOPED TO SHOW THIS RELATIONSHIP. THE RESULTS ONLY APPLY ABOVE TWO MICROGRAMS OR 0.2 PPM VCM.

ITEM 48

BFG Number 25-001964
Title PERSONNEL MONITORING CROSS CHECK PROGRAM NO. 5
Authors HARDESTY R D; WHITNEY J M; ZAKRISKI P M
Recipients
Document Date 01 May 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE RESULTS FOR THE VINYL CHLORIDE CROSSCHECK PROGRAM NO. 5 SHOW THAT 10 OUT OF 11 LABS ARE WITHIN PLUS/MINUS 10 PERCENT. THE AVERAGE PERCENT RECOVERY IS 85 PERCENT. SINCE LOADING WAS CARRIED OUT IDENTICALLY ON EACH TUBE THE RELATIVE DIFFERENCES ARE THE SAME AS IF THE RECOVERY WERE 100 PERCENT.

ITEM 49

BFG Number 25-001933
Title LOUISVILLE GAS BADGE STUDY
Authors PASCHAL M A;ZAKRISKI P M
Recipients
Document Date 01 Apr 1977
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract A CORRELATION COEFFICIENT OF 0.94 WAS DETERMINED IN A STUDY IN LOUISVILLE TO INVESTIGATE THE CORRELATION BETWEEN THE MSA CARBON TUBE AND THE ABCOR GASBADGE DOSIMETER DURING VINYL CHLORIDE EXPOSURE. THE GAS BADGE CONSISTS OF ACTIVATED CARBON IMPREGNATED IN FIBERGLASS THAT WHEN WASHED WITH CARBON DISULFIDE AND ANALYZED BY GC WILL GIVE VCM DOSAGES.

ITEM 50

BFG Number 03-040921
Title SOLUBILITY AND DIFFUSION OF VINYL CHLORIDE IN WATER AND PVC (CODE ZERO)
Authors BERENS A R
Recipients
Document Date 01 Feb 1977
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IN THE LETTER AL BERENS SUMMARIZES DATA FROM STUDIES OF THE PHASE DISTRIBUTION AND DIFFUSION OF VCL. SOLUBILITY IN WATER AT HIGH + LOW PRESSURES IS GIVEN. ALSO DIFFUSION IN PVC. THUS HE CONSIDERS EQUILIBRIUM DISTRIBUTION BETWEEN VAPOR, PVC + WATER AND DRIVING FORCE (DIFFUSION). INCLUDES THEORETICAL DISCUSSION + A NUMBER OF CONCLUSIONS OF USE IN CONSIDERING STRIPPING, DRYING, ETC.

ITEM 51

BFG Number 25-001891
Title RESEARCH AND DEVELOPMENT PROGRESS REPORTS - 1977
Authors WENRICK J D
Recipients
Document Date 01 Jan 1977
Document Type QUARTERLY REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract TOPICS COVERED IN THE COMPUTER OPERATIONS MONTHLY SUMMARY INCLUDE THE PURCHASE, INSTALLATION AND CONVERSION TO USE OF THE PDP 11/70 COMPUTER, DATA ACQUISITION PROGRAMS FOR THE RHOELIG APPARATUS, RHEOVIBRON, TORSION PENDULUM, GOULD 6000 DATA LOGGER (FLAMMABILITY TESTING), ARCAS VCM MONITORING SYSTEM, AND THE HIGH SPEED GPC, AND PROGRAMMING TO MODIFY COED AND MCP FOR THE CHEMICAL DIVISION AND TO SIMULATE THE TRIPLE ACTION ANTISKID SYSTEM.

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ITEM 52

BFG Number 25-001863
Title PERSONAL PROTECTION FROM VINYL CHLORIDE DURING SOURCE TESTING
Authors ZAKRISKI P M
Recipients
Document Date 01 Dec 1976
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract WHILE MEASURING VINYL CHLORIDE CONCENTRATIONS ON ROOF-TOPS, PERSONNEL MUST WEAR FACE MASKS AND TAKE NIOSH APPROVED CARBON CANNISTERS FOR VCL. THIS WILL CONTINUE UNTIL ROOF-TOP CONCENTRATIONS ARE DOCUMENTED BELOW 1 PPM.

ITEM 53

BFG Number 25-001867
Title PASSIVE PERSONNEL MONITOR BADGES FOR VINYL CHLORIDE AND OTHER ORGANIC VAPORS
Authors ZAKRISKI P M
Recipients
Document Date 01 Dec 1976
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract GULF SOUTH RESEARCH INSTITUTE HAS PROPOSED A CONTRACT WITH BFG TO PERFORM A FEASIBILITY STUDY AND DEVELOP THE TECHNOLOGY TO PRODUCE PERSONNEL MONITOR BADGES SPECIFICALLY FOR VCL OR FOR BENZENE. UPON COMPLETION OF THE WORK BFG HAS EXCLUSIVE RIGHTS TO THE PATENTS AND PRODUCES THE BADGES AT ITS EXPENSE, IF SATISFIED. IF NOT, GSRI HAS THE PATENT RIGHTS SO THEY CAN SELL IT TO SOMEONE ELSE.

ITEM 54

BFG Number 25-001820
Title EVALUATIONS OF CHARCOAL BADGES AS MONITORS FOR VINYL CHLORIDE MONOMER
Authors BORN J W
Recipients
Document Date 01 Oct 1976
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract TWO ACTIVATED CHARCOAL BADGES DEVELOPED BY LOUISIANA STATE UNIVERSITY AND ETHYL CORPORATION WERE EVALUATED AT VARIOUS CONCENTRATIONS FOR SIX HOURS AT 50 PER CENT RELATIVE HUMIDITY. COMPARISON WITH MSA TUBES SHOWS THAT THESE CHARCOAL TUBES ARE EFFECTIVE VCM MONITORS. THE CALIBRATION CURVES FOR THE LSU BADGES WERE LINEAR UP TO SIX HOURS. THIS INDICATES THAT THESE TUBES MIGHT BE USABLE FOR 1 WEEK (40 HRS) BEFORE ANALYSIS. THIS ADVANTAGE, COUPLED WITH THE FACT THAT THIS BADGE DOES NOT NEED A VACUUM PUMP, MAKES THIS BADGE WORTHY OF FURTHER STUDY.

ITEM 55

BFG Number 25-001791
Title RESULTS OF VCL PERSONNEL MONITORING CROSS CHECK PROGRAM 4
Authors HARDESTY R D;WHITNEY J M;ZAKRISKI P M
Recipients
Document Date 01 Sep 1976
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE RESULTS OF THE VCL BENDIX FLASHER TUBE CROSS CHECK NO. 4 SHOW THAT 7 OUT OF 10 LABS ARE WITHIN PLUS/MINUS 30 PERCENT OF THE THEORETICAL CALCULATED LOADING. THREE LABS ARE 60 PERCENT OR LOWER. THE EFFECT OF SHIPPING TO A PARTICULAR LAB, RUNNING A PARTICULAR GC AND USING A CERTAIN CALIBRATION FACTOR IS MUCH MORE SIGNIFICANT THAN VARIATIONS IN LOADING OR INDIVIDUAL PECULIARITIES OF EACH TUBE.

ITEM 56

BFG Number 25-001819
Title EVALUATIONS OF BENDIX FLASHER TUBES AND MSA TUBES AS VCM MONITORS
Authors BORN J W;HARDESTY R D;ZAKRISKI P M
Recipients
Document Date 01 Aug 1976
Document Type STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE VINYL CHLORIDE MONOMER (VCM) COLLECTING EFFICIENCIES OF BENDIX FLASHER AND MSA TUBES WERE MEASURED VS HUMIDITY, EXPOSURE TIME, CONCENTRATION OF VCM, AND FLOW RATE ETC. THE VCM WAS DESORBED FROM THE TUBES AND MEASURED BY GAS CHROMATOGRAPH. IN ORDER TO ANALYZE THE SAMPLES, THE GAS CHROMATOGRAPH WAS CALIBRATED BY PREPARING STANDARD VCM SAMPLES IN MONITOR TUBES USING THE DYNAMIC VAPOR GENERATOR. OVERALL, THE EFFICIENCY OF THE MSA TUBE WAS 75. PER CENT VS 73 PER CENT FOR THE FLASHER TUBES. RECOMMENDATIONS FOR CALIBRATING AND ANALYZING THESE TUBES ARE INCLUDED.

ITEM 57

BFG Number 03-042064
Title PREDICTION OF VINYL CHLORIDE MONOMER MIGRATION FROM RIGID PVC PIPE
Authors BERENS A R; DANIELS C A
Recipients
Document Date 01 Aug 1976
Document Type PUBLISHED PAPER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract DATA ON THE SOLUBILITY AND DIFFUSION OF VCM IN PVC RESIN POWDERS WERE COMBINED WITH PUBLISHED SOLUTIONS OF FICK-S DIFFUSION EQUATION TO YIELD PREDICTIONS OF MONOMER MIGRATION. MAIN FACTORS CONTROLLING VCM MIGRATION ARE THE INITIAL VCM CONTENT, THICKNESS OF THE PVC SECTION, TEMPERATURE, AND AGE OF THE PVC PRODUCT. BOTH THE PREDICTIVE MODEL AND EXPERIMENTAL DATA INDICATE THAT PVC PIPE CONTAINING 1 PART/ MILLION RESIDUAL VCM WILL RESULT IN VCM CONCENTRATIONS IN WATER OF LESS THAN 0.002 MG/KG UNDER ANY EXPECTED SERVICE CONDITIONS. (PUBLISHED IN POLYMER ENGINEERING AND SCIENCE, V.16, NO.8, AUG. 1976).

ITEM 58

BFG Number 25-001755
Title LOUISVILLE-S VINYL CHLORIDE PERSONNEL MONITORING PROGRAM
Authors ZAKRISKI P M
Recipients FANNIN J D
Document Date 01 Jul 1976
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE VINYL CHLORIDE PERSONNEL MONITORING PROGRAM AT THE LOUISVILLE PLANT WAS EXAMINED DURING A VISIT. THE DUAL TENAX TUBE PROGRAM TO DETERMINE THE INCIDENCE OF VCL BREAKTHROUGH HAS SHOWN 30 PERCENT BREAKTHROUGH WITH 13 PERCENT OF THE TIME BEING 35 PERCENT OF THE RETAINED VCL. AFTER A SPOT CHECK OF THE SIX HOUR MONITORING PERIOD AT TEN SITES, MORE CAREFUL OBSERVATION OF THE EMPLOYEE, HIS PUMP AND TUBES DURING THE PERIOD ARE RECOMMENDED. IT

ITEM 59

BFG Number 03-041976
Title PRELIMINARY EVALUATION OF PROPOSED VCM PROCESS
IMPROVEMENT--ADDITION OF PHOSGENE TO THE EDC FURNACE
FEED---OVERVIEW OF POTENTIAL BENEFITS, ECONOMICS, CHEMISTRY AND
KINETICS
Authors COWFER J A
Recipients
Document Date 01 Jul 1976
Document Type STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract BY ELIMINATING THE WATER (20-50 PPM) PRESENT IN THE EDC FURNACE
FEED WITH PHOSGENE ADDITION AT THE VCM PLANT IN CALVERT CITY,
COST SAVINGS IN MAINTENANCE, STEAM USAGE AND CAUSTIC PELLETS
COULD BE REALIZED. WATER REMOVAL WOULD ALSO IMPROVE THE QUALITY
OF VCM BY LOWERING THE CONTAMINATION LEVELS OF H2O, HCL, AND
POSSIBLY BUTADIENE. DETAILED KINETIC EQUATIONS WERE DEVELOPED
FOR CALCULATING THE REACTION RATE BETWEEN PHOSGENE AND H2O UNDER
ANY SPECIFIED CONDITIONS. IT IS RECOMMENDED THAT BENCH SCALE
EXPERIMENTS BE CONDUCTED TO CONFIRM THE REACTION RATES AND
SELECTIVITIES AND TO DEVELOP THE DESIGN DATA FOR PLANT SCALE
OPERATION.

ITEM 60

BFG Number 25-001681
Title TELEPHONE CONVERSATION WITH H. LAWES (ICI) REGARDING PAPER TAPE
VCL MONITOR
Authors CARMAN C J
Recipients ZAKRISKI P M
Document Date 01 Apr 1976
Document Type LETTER;TECHNICAL CONTACT REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract IN A TELEPHONE CONVERSATION WITH MR H LAWES OF THE PLASTICS
DIVISION OF IMPERIAL CHEMICAL INDUSTRIES, PAPER TAPE MONITORING
OF VCM WAS DISCUSSED. NO NEW CATALYST IS USED, BUT SOME
PROPERTIES OF THE PERMANGANATE CATALYST HAVE BEEN FOUND. IF THE
PERMANGANATE BECOMES DEHYDRATED, A BREAKDOWN IN OXIDATION
OCCURS. RELATIVE HUMIDITY BELOW 40 PERCENT AND OVERDRIED SODA
ASH CAN CAUSE DEHYDRATION. THE MONITOR RANGE IS 0 TO 8 PPM OF
VCM WITH AN ACCURACY OF PLUS/MINUS .3 PPM.

ITEM 61

BFG Number 25-001677
Title PUMPLESS VCL PERSONNEL MONITOR FROM LOUISIANA STATE UNIVERSITY
Authors ZAKRISKI P M
Recipients
Document Date 01 Apr 1976
Document Type TRIP REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract A TRIP WAS MADE TO THE ENVIRONMENTAL SCIENCE INSTITUTE, COATES LABORATORIES, LOUISIANA STATE UNIVERSITY, BATON ROUGE TO EVALUATE THE NEW PUMPLESS VCL MONITOR WHICH THEY HAVE DEVELOPED. TWO NEW MONITORS WERE GIVEN BFG FOR EVALUATION STUDIES. THE MONITORS ARE NOT COMMERCIALY AVAILABLE

ITEM 62

BFG Number 25-001647
Title THE SORPTION OF VINYL CHLORIDE BY PVC RESIN POWDERS. PART 1. RATE OF SORPTION
Authors BERENS A R
Recipients
Document Date 01 Feb 1976
Document Type RESEARCH REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract A UNIFORM-SPHERE MODEL IS SHOWN TO ACCURATELY REPRESENT THE DATA FOR MONODISPERSE EMULSION AND UNIFORMLY POROUS SUSPENSION OF MASS-POLYMERIZED PVC RESINS AT LOW VCM CONCENTRATIONS. THIS MODEL HAS BEEN USED, WITH THE RESIN PARTICLE SIZE, TO DETERMINE THE DIFFUSION COEFFICIENT FOR VCM IN PVC FROM ROOM TEMP TO 110 DEGREES C. DEVIATIONS HAVE BEEN RELATED BOTH TO PARTICLE-SIZE NON-UNIFORMITY AND TO A NON-FICKEAN, RELAXATION-CONTROLLED SORPTION PROCESS WHICH OCCURS AT APPRECIABLE VCM CONCENTRATIONS. THESE TWO SOURCES OF DEVIATION HAVE BEEN SEPARATED BY EXPERIMENTAL DESIGN AND MATHEMATICAL MODELS HAVE BEEN DEVELOPED FOR EACH. THE SIZE AND UNIFORMITY OF PRIMARY (MICRON-RANGE) PARTICLES IS THE PRINCIPAL FACTOR CONTROLLING RATE OF VCM REMOVAL FROM PVC RESINS, AND DESORPTION RATES PROVIDE A USEFUL MEASURE OF PARTICLE UNIFORMITY.

ITEM 63

BFG Number 03-040472
Title RESIDUAL VINYL CHLORIDE MONOMER IN CPVC PRODUCTS
Authors METZGER A P
Recipients
Document Date 01 Feb 1976
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THIS REPORT SUMMARIZES PERTINENT ANALYSES BETWEEN 1974 AND 1976 FOR DETECTING VINYL CHLORIDE RESIDUES IN CPVC. THE MAJORITY OF ANALYSES REVEALED UNDER 1 PPM OF VINYL CHLORIDE. UNDER VARIED TIME AND TEMPERATURE CONDITIONS DATA POINTS RANGE FROM 0 PPB TO 2.06 PPM VINYL CHLORIDE IN CPVC PIPE, 0 PPB TO 47 PPB IN WATER EXTRACTS OF CPVC AND 0 PPB TO 54 PPM IN CPVC COMPOUNDS AND RESINS. THIS DATA CONFLICTS WITH ENVIRONMENTAL PROTECTION AGENCY DETECTIONS OF 3 PPM TO 110 PPM IN PIPE AND .5 PPB TO 4 PPB IN WATER EXTRACTS.

ITEM 64

BFG Number 03-041787
Title VINYL MONOMERS GROUP - SUMMARIES FOR 1976
Authors COWFER J A;EDEN J S;ESSIG H J;GLASS J A;KENAT T A;KOVACH R M; MAGISTRO A J;WHITE D E
Recipients
Document Date 01 Jan 1976
Document Type MONTHLY REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract TOPICS INCLUDE---PRODUCTION ASSISTANCE AND CATOXID DEVELOPMENT, LOWER COST VCM, OXY VENT DEVELOPMENT, AND ELECTROCHEMICAL PROCESSES

ITEM 65

BFG Number 25-001612
Title ANALYSIS OF PERSONAL MONITOR SAMPLES OF AIR POLLUTANTS
Authors KURTZ O S
Recipients
Document Date 01 Jan 1976
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THIS ACC. NO. SERVES AS A GENERAL LOCATION FOR ANALYSES PERFORMED BY SUE KURTZ FOR POSSIBLE POLLUTANTS HAZARDOUS TO PERSONNEL HEALTH.

ITEM 66

BFG Number 03-041806
Title POTENTIAL OF DRYING EDC FURNACE FEED WITH PHOSGENE
Authors KENAT T A
Recipients
Document Date 01 Jan 1976
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THE PRESENCE OF WATER IN THE EDC FURNACE FEED AT CALVERT CITY CAUSES CORROSION IN THE PURIFICATION TRAIN AND MAKES THE HCL-VCL SEPARATION DIFFICULT DUE TO THE HCL-H2O AZEOTROPE. REACTION OF H2O WITH PHOSGENE IS A MEANS OF REMOVING IT WITHOUT ADDING CONTAMINANTS TO THE PROCESS. COSTS ARE ESTIMATED.

ITEM 67

BFG Number 03-041574
Title MONTHLY REPORT
Authors GLASS J A
Recipients THOMPSON G E
Document Date 29 Dec 1975
Document Type MONTHLY REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract TOPICS INCLUDE A VINYL CHLORIDE EMERGENCY PROCEDURE AND SHIPMENT OF CODE 10-A.

ITEM 68

BFG Number 03-040489
Title CHEMICAL ASPECTS OF ACETONE THIOSEMICARBAZONE (ATSC)
Authors RYAN J W
Recipients
Document Date 01 Dec 1975
Document Type STAFF TECHNICAL SERVICES REPORT; TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CHEMICAL REACTIVITY OF ACETONE THIOSEMICARBAZONE (ATSC), A TOXIC INHIBITOR FOR VINYL CHLORIDE POLYMERIZATION, WAS STUDIED IN ORDER TO DETERMINE POTENTIALLY TOXIC REACTION PRODUCTS FORMED IN THE PRESENCE OF SECONDARY BUTYL PEROXYDICARBONATE CATALYST AND TO DEVELOP METHODS FOR THEIR DETECTION IN PVC RESIN. UV, INFRARED, NMR AND MASS SPECTROMETRY WERE EMPLOYED TO TRACE THE FATE OF ATSC, TO DETERMINE ITS SOLUBILITY AND STABILITY, AND TO IDENTIFY REACTION PRODUCTS. ATSC WAS FOUND TO BE READILY HYDROLYZED IN WATER AT ROOM TEMP WITH A HALF-LIFE OF 3.8HRS. THE HYDROLYSIS RATE INCREASED TO A HALF -LIFE OF 23MINUTES WHEN TEMP WAS RAISED TO 65DEGREES CENTIGRADE AND PH WAS DROPPED TO 2. REACTIONS OF ATSC WITH SBP WERE RAPID AND COMPLETE PRODUCING MANY UNIDENTIFIED PRODUCTS. IDENTIFIED PRODUCTS WERE FREE SULFUR AND MOLECULAR NITROGEN, WHICH INDICATES THAT SOME POTENTIALLY TOXIC STRUCTURES WERE DESTROYED. AMIDE AND THIOAMIDE STRUCTURES WERE ALSO DETECTED.

ITEM 69

BFG Number 25-001569
Title CROSS CHECK PROGRAM FOR VCL PERSONNEL MONITORING MEASUREMENTS
Authors HARDESTY R D; ZAKRISKI P M
Recipients
Document Date 01 Nov 1975
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract A CROSS CHECK STUDY OF VCL PERSONNEL EXPOSURE MEASUREMENTS IN THE DIFFERENT PLANTS WAS MADE. THE STUDY INDICATES THE PLANT LABS ARE FOLLOWING GOOD PROCEDURES BUT THERE IS LAB TO LAB VARIATION DUE TO CALIBRATION VARIATIONS. IF VARIATIONS CONTINUE CORRECTIVE ACTION WILL BE TAKEN

ITEM 70

BFG Number 03-041666
Title HEALTH RECORDS STUDY - LOUISVILLE PLANT (LIVER FUNCTION BLOOD TESTS VERSUS PERSONAL HISTORY, WORK HISTORY, CHEMICAL EXPOSURE) (BFG RESTRICTED)
Authors FAIRLIE A M; ELKINS R M; SCHAAP J C
Recipients
Document Date 18 Aug 1975
Document Type REPORT
Restriction 1 (Restricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract RESTRICTED: SEE INFORMATION CENTER STAFF

ITEM 71

BFG Number 03-041359
Title VCM/AIR ANALYTICAL GAS STANDARDS
Authors LEES G A
Recipients
Document Date 01 Apr 1975
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract VCM ANALYTICAL GAS STANDARDS FOR THE CS2-GAS CHROMATOGRAPHIC METHOD OF VCM ANALYSIS WERE PREPARED IN SUPPORT OF THE CODE ZERO PROGRAM. THE PROCEDURE AND TEST RESULTS ARE OUTLINED.

ITEM 72

BFG Number 03-040872
Title USE OF MICROWAVE SPECTROSCOPY FOR MONITORING VINYL CHLORIDE IN AMBIENT AIR
Authors CRIDER L B
Recipients
Document Date 01 Mar 1975
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A PROTOTYPE OF THE MICROWAVE SPECTROMETER TO BE DEVELOPED BY LAWRENCE LIVERMORE LABORATORIES WAS PROPOSED AS A MONITOR FOR AMBIENT VINYL CHLORIDE PRESENT IN THE AIR AT .1PPM LEVELS. THE REQUIRED EXPENDITURE TO DEVELOP THIS INSTRUMENTATION WAS NOT DEEMED JUSTIFIABLE.

ITEM 73

BFG Number 03-041225
Title 79TH NATIONAL MEETING SYMPOSIUM ON INDUSTRIAL HEALTH ASPECTS OF VCM/PVC (AICHE MEETING, HOUSTON, MARCH 19, 1975)
Authors DAVIS R J
Recipients
Document Date 01 Mar 1975
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract COMMENTS ON THE FOLLOWING PAPERS---(1) TOXICOLOGY OF VCL BY T.R. TORKELSON OF DOW CHEMICAL, (2) ENVIRONMENTAL OFF-SITE CONSIDERATIONS BY D.R. GOODWIN OF THE EPA, AND (3) REDUCING MONOMER CONTENT IN RESIN BY G.J. MANTELL OF AIR PRODUCTS.

ITEM 74

BFG Number 03-040729
Title EVALUATION OF THE DOHRMANN MODEL C-300 MICROCOULOMETER AS A VCM
(VINYL CHLORIDE) PLANT MONITOR.
Authors YOUNT R A
Recipients
Document Date 01 Feb 1975
Document Type STAFF TECHNICAL SERVICES REPORT; TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THE DOHRMANN MODEL C-300 WAS EVALUATED AS A POTENTIAL DEVICE FOR
MONITORING ATMOSPHERIC VINYL CHLORIDE (AVCM), AND ITS PERFORMANCE
COMPARED TO THE BENDIX TOTAL HYDROCARBON ANALYZER. GOOD
AGREEMENT WAS OBTAINED BETWEEN THE CALCULATED AND OBSERVED
CONCENTRATION VALUES IN THE RANGE INVESTIGATED (.8 - 43 PPM
VINYL CHLORIDE). ABOVE 43 PPM THE INSTRUMENT FAILED TO GIVE
SATISFACTORY PERFORMANCE IT IS FELT THAT THE INSTRUMENT IS NOT
SUITABLE FOR PRODUCTION PLANT MONITORING DUE TO ITS FRAGILE
CONSTRUCTION. IT IS USEFUL AS A RESEARCH TOOL HOWEVER.

ITEM 75

BFG Number 25-001307
Title ANALYSIS OF VINYL CHLORIDE PERSONAL MONITOR SAMPLES
Authors BORN J W
Recipients
Document Date 01 Feb 1975
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BROD
Storage Media PAPER
Abstract

ITEM 76

BFG Number 03-040704
Title DIOXETANE CHEMISTRY APPLICATIONS TO VINYL CHLORIDE AND
VINYLIDENE CHLORIDE
Authors KOEBEL R F
Recipients
Document Date 01 Jan 1975
Document Type LITERATURE SEARCH; TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A LITERATURE SURVEY WAS DONE TO FIND POSSIBLE APPLICATIONS OF
DIOXETANES (1,2-DIOXACYCLOBUTANE FOR VINYL CHLORIDE AND
VINYLIDENE CHLORIDE. GROUND STATE AND EXCITED STATE SINGLET
OXYGEN REACTIONS WERE COMPARED AND REACTIONS OF SINGLET OXYGEN
WITH MONOALKENES WAS STUDIED. IT APPEARED THAT VINYL CHLORIDE
AND VINYLIDENE CHLORIDE WOULD BE POOR SUBSTRATES FOR A DIOXETANE
PROCESS AND UNSTABLE IF THEY COULD BE FORMED. LITTLE TOXICITY
INFORMATION WAS FOUND.

ITEM 77

BFG Number 03-040631
Title CHEMISTRY OF SERUM AKT IN BLOOD ASSAY IN REGARD TO MEASURING
TOXICITY OF INHALED CHLORINATED HYDROCARBONS
Authors KOEBEL R F
Recipients
Document Date 01 Jan 1975
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract AN ASSAY OF BLOOD SERUM AKT ALANINE-ALPHA-KETOGLUTARATE
TRANSAMINASE SERVES AS A MEASURE OF THE TOXICITY OF INHALED
CHLORINATED HYDROCARBONS, VINYL CHLORIDE AND VINYLIDENE CHLORIDE.
THE MORE AKT SERUM PRODUCED AS A RESULT OF THE INHALATION OF
THESE MATERIALS, THE MORE METABOLISM IS AFFECTED AND THE MORE
TOXIC THE MATERIAL. VINYLIDENE CHLORIDE WAS VERY TOXIC, CAUSING
A SIGNIFICANT INCREASE IN SERUM AKT OVER THE TEST PERIOD. AT 200
PPM IT WILL CAUSE DEATH. VINYL CHLORIDE SHOWED NO SHORT TERM
TOXICITY AND SERUM AKT DID NOT CHANGE. IN COMBINED EXPOSURES TO
VINYL CHLORIDE AND VINYLIDENE CHLORIDE, VINYL CHLORIDE APPEARED
TO BLOCK VINYLIDENE CHLORIDE FROM BEING METABOLIZED AT A LETHAL
RATE OR FROM METABOLIZING AT ALL DURING THE TEST PERIOD.

ITEM 78

BFG Number 03-041125
Title STATUS OF MICROWAVE SPECTROSCOPY AS A METHOD FOR DETECTING AND
ANALYZING FOR TRACE VCM IN AIR
Authors CARMAN C J
Recipients
Document Date 01 Jan 1975
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract

ITEM 79

BFG Number 25-001308
Title ANALYSIS OF VINYL CHLORIDE PERSONAL MONITOR SAMPLES
Authors CROSS J P
Recipients
Document Date 31 Dec 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract AIR OF BHE B F GOODRICH RESEARCH CENTER WAS SAMPLED USING
PERSONAL MONITORS AND CONCENTRATIONS ARE REPORTED

ITEM 80

BFG Number 25-001322
Title RESULTS FROM VINYL CHLORIDE PERSONAL MONITOR SAMPLES
Authors KRUSZYNSKI R J
Recipients
Document Date 31 Dec 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract CONCENTRATION OF VINYL CHLORIDE IN AIR AT VARIOUS LOCATIONS OF THE BFG-LOS ANGELOS PLANT ARE REPORTED.

ITEM 81

BFG Number 03-040290
Title VCM MONITORING DURING ABSON/PVC EXTRUSION
Authors DORSCH J L;QUISENBERRY J G
Recipients
Document Date 22 Nov 1974
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract AMBIENT VCL CONCENTRATIONS RANGE BETWEEN 74 AND 550 PPB. THE AUTHOR CANNOT RECONCILE THESE FINDINGS WITH A COCURRENT READING OF 1500 PPM ON THE OVA INSTRUMENT.

ITEM 82

BFG Number 03-040270
Title GAS SAMPLING DURING CUSTOM MOLDING OF ABSON 89129
Authors OMARA M M;SWANSON M
Recipients
Document Date 14 Nov 1974
Document Type IOC;TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract DESCRIBES THE SAMPLING METHODS USED TO ANALYZE FOR AMBIENT VCL IN THE ENVIRONMENT SURROUNDING MOLDING OPERATIONS INVOLVING PVC-CONTAINING ABSON COMPOUNDS. SOME ANALYTICAL DATA ARE PROVIDED WITH MORE TO FOLLOW.

ITEM 83

BFG Number 03-040104
Title STATUS OF NEW INFRARED INSTRUMENT FOR VCM MONITORING AND NEW
APPROACH TO FENCELINE MONITORING
Authors YOUNT R A
Recipients
Document Date 24 Oct 1974
Document Type IOC
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract
Item 84

BFG Number 25-001288
Title EFFICIENCY OF REMOVING VINYL CHLORIDE FROM ACTIVATED CARBON
PERSONAL MONITORS.
Authors ZAKRISKI P M
Recipients MC COOL J C
Document Date 01 Oct 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract VINYL CHLORIDE IS COMPLETELY REMOVED FROM ACTIVATED CARBON BY
WASHING WITH CARBON DISULFIDE. THE PRECISION OF GAS
CHROMATOGRAPHIC MEASUREMENT OF VINYL CHLORIDE IS PLUS OR MINUS
FOUR PERCENT. CAPPED CARBON TUBES WHICH WERE STORED IN CONTACT
WITH PLANT AIR DO NOT ADSORB VINYL CHLORIDE IN QUANTITIES WHICH
CAN BE DETECTED BY GAS CHROMATOGRAPHY.

ITEM 85

BFG Number 25-001221
Title ANALYSIS OF VINYL CHLORIDE PERSONAL MONITOR SAMPLES
Authors BORN J W;ZAKRISKI P M
Recipients KATZENMEYER-JR E B
Document Date 01 Aug 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract CONCENTRATIONS OF VINYL CHLORIDE ADSORBED IN CARBON TUBE
PERSONAL MONITOR SAMPLES ARE TABULATED.

ITEM 86

BFG Number 25-001220
Title ANALYSIS OF VINYL CHLORIDE PERSONAL MONITOR
SAMPLES--SHAWINIGEN,QUE
Authors BORN J W
Recipients GREGOIRE J P
Document Date 01 Jul 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract TWENTY SAMPLES FROM PERSONAL MONITORS SHOWED VINYL CHLORIDE
CONCENTRATIONS OF 2.3 TO 45 PPM. THESE SAMPLES WERE GIVEN LOG
NOS. 54 AND 55.

ITEM 87

BFG Number 03-041036
Title CODE ZERO ACTIVITY
Authors PAUSCH J B
Recipients
Document Date 01 Jul 1974
Document Type CONFERENCE REPORT;LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THE INITIAL MEETING OF ASTM TASK GROUP NO.2 DISCUSSED ANALYTICAL
PROCEDURES FOR DETECTING RESIDUAL VCL IN HOMOPOLYMER RESIN ONLY.
A ROUNDROBIN INTERLABORATORY TESTING PROGRAM WAS ARRANGED USING
THE BFG AND DOW ANALYSIS PROCEDURES.

ITEM 88

BFG Number 25-001219
Title ANALYSIS OF VINYL CHLORIDE PERSONAL MONITOR SAMPLES--NIAGARA
FALLS
Authors BORN J W
Recipients REID C B
Document Date 01 Jul 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract SAMPLES NO. 1-16 SHOWED VINYL CHLORIDE CONCENTRATIONS RANGING
FROM 0.039 TO 38 PPM. THESE SAMPLES WERE GIVEN LOG NUMBERS OF 60
AND 65.

ITEM 89

BFG Number 03-039297
Title A METHOD FOR ANALYZING VCM AT THE PART-PER-BILLION LEVEL
Authors OMARA M M;QUISENBERRY J G
Recipients
Document Date 07 Jun 1974
Document Type STAFF TECHNICAL SERVICES REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A GAS CHROMATOGRAPHIC METHOD BASED ON FLAME IONIZATION DETECTION AND COCONUT CHARCOAL ADSORPTION HAS BEEN DEVELOPED FOR DETECTING VCM IN THE ATMOSPHERE AT THE 1 PPB LEVEL. THE BASIC PRINCIPLE INVOLVES THE ADSORPTION OF A 250 ML AIR SAMPLE ON ACTIVATED CHARCOAL CONTAINED IN THE SAMPLE LOOP OF A GAS CHROMATOGRAPH. THE LOOP IS HEATED TO 200C TO DESORB VCM AND THE VCM IS THEN ANALYZED CHROMATOGRAPHICALLY. A CALIBRATION CURVE RANGING FROM 5 PPB TO 280 PPB WAS EXPERIMENTALLY DETERMINED. THE CURVE WAS LINEAR AND REGRESSION ANALYSIS OF THE DATA REVEALED A P OR M 3.0% DEVIATION IN THE SCOPE OF THE CALIBRATION CURVE. A 9% DEVIATION IN REPRODUCIBILITY (5 RUNS) EXISTS AT THE 20 PPB LEVEL. A COMPLETE DESCRIPTION OF THE METHOD IS PROVIDED. THE GENERAL METHOD IS POTENTIALLY APPLICABLE TO SUBSTANTIALLY LOWER VCM LEVELS. (4R)

ITEM 90

BFG Number 25-001200
Title ANALYSIS OF VINYL CHLORIDE PERSONNEL MONITORS--HENRY, ILLINOIS
Authors ZAKRISKI P M
Recipients
Document Date 01 Jun 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract TEN SAMPLES OF PERSONNEL MONITOR, CARBON TUBES, WERE ANALYZED FOR VINYL CHLORIDE. THE LEVELS OF VCL RANGED FROM 2.0 TO 7.7 PPM.

ITEM 91

BFG Number 03-040922
Title SOLUBILITY AND DIFFUSION OF VCM IN PVC (CODE ZERO)
Authors BERENS A R
Recipients
Document Date 01 Jun 1974
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract PUBLICATION PREPARED FOR ACS MEETING IN ATLANTIC CITY 9/74. SOLUBILITY IS GIVEN AS A FUNCTION OF PARTIAL PRESSURE OF VCL AT 30 TO 110C. ABOVE TG IT FOLLOWS HENRYS LAW. BELOW TG SOLUBILITY INCREASES + BECOMES NON-IDEAL. THEORIES ARE DISCUSSED - HOLE FILLING ETC. EGS

ITEM 92

BFG Number 25-001199
Title ANALYSIS OF VINYL CHLORIDE PERSONNEL MONITORS FOR BUILDING 951
Authors ZAKRISKI P M
Recipients
Document Date 01 Jun 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract TEN SAMPLES FROM BUILDING 951 IN GLOUCESTER WERE ANALYZED FOR VINYL CHLORIDE. THE PERSONNEL MONITORS, CARBON TUBES, SHOWED VCL EXPOSURE RANGING FROM 0.03 TO 0.19 PPM.

ITEM 93

BFG Number 03-039177
Title ADDENDUM REPORT 3 - ADDITIONAL STUDIES ON VCM ADSORPTION
Authors LEES G A; OMARA M M
Recipients
Document Date 01 May 1974
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract

ITEM 94

BFG Number 25-001201
Title ANALYSIS OF CHERRY STREET VCL SAMPLES
Authors ZAKRISKI P M
Recipients
Document Date 01 May 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract THE ANALYSIS OF EIGHT SAMPLES FROM CHERRY STREET SHOWS VALUES OF VCL RANGING FROM 0.02 TO 0.58 PPM.

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ITEM 95

BFG Number 03-040932
Title CODE ZERO, A SYNOPSIS OF PVC REACTOR BUILDUP MECHANISMS
Authors LOTT J O;WITENHAFFER D E
Recipients
Document Date 01 Apr 1974
Document Type SUMMARY REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract THIS REPORT SUMMARIZES THE CHEMICAL ASPECTS OF BUILDUP. PAPER BUILDUP IS CAUSED BY WATER PHASE PZN + IS BUILT OF TINY PVC PARTICLES ABOUT 2000 A. SMOOTH + COLD SURFACES + AGITATION REDUCE ADHESION. WATER PHASE INHIBITORS REDUCE THIS TYPE OF BUILDUP; ALSO WALL COATINGS LIKE CODE 10A. THE ROLE OF OXYGEN ON WATER PHASE PZN (WPP) WAS STUDIED AND FOUND TO BE A NECESSARY INGREDIENT TO MAKE DIRTY WATER, IE.-MORE PAPER BUILDUP. A PVC PEROXIDE IS AN INTERMEDIATE. HIGH PH STOPS THIS MECHANISM BUT ALSO DESTROYS THE CATALYST. A WATER SOLUBLE ADDITIVE MIGHT BE FOUND TO DO THE JOB W/O HARMING THE PZN OR PRODUCT. EGS

ITEM 96

BFG Number 03-038812
Title CONTROLLING BUILDUP IN VINYL CHLORIDE POLYMERIZERS BY RECIPE ADDITIVES
Authors MORNINGSTAR M G;POSTEL W D
Recipients
Document Date 01 Apr 1974
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract

ITEM 97

BFG Number 25-001173
Title EVALUATION OF SOME ACTIVATED CARBONS FOR USE IN THE VINYL
CHLORIDE MONOMER PERSONNEL MONITOR
Authors PAUSCH J B
Recipients
Document Date 01 Mar 1974
Document Type RESEARCH REPORT
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract AN EVALUATION OF 4 DIFFERENT ACTIVATED CARBONS AND THE
EXPERIMENTAL CONDITIONS ARE DESCRIBED FOR THE PURPOSE OF
MONITORING ACTUAL EXPOSURE OF PLANT PERSONNEL TO VINYL CHLORIDE
MONOMER. THE USE OF ACTIVATED CARBON IS FEASIBLE FOR ADSORBING
VINYL CHLORIDE MONOMER (VCM) FROM THE AIR. THE ADSORPTION
CAPACITY OF THE 4 CARBONS WAS NOT SIGNIFICANTLY DIFFERENT--ABOUT
10 MG. VCM PER GRAM. A MINIMUM OF 0.3 G. ADSORBENT IS
RECOMMENDED FOR THE TRAPPING TUBE. IN ORDER TO EVALUATE
PERSONNEL EXPOSURE TO VCM, A SUBSEQUENT GAS CHROMATOGRAPHIC
ANALYSIS OF A CARBON DISULFIDE SOLUTION OF THE DESORBED VCM IS
REQUIRED. THE AMOUNT OF VCM IS DETERMINED FROM A PRIOR
CALIBRATION. THE OVERALL PROCEDURE IS RATHER STRAIGHTFORWARD BUT
REQUIRES SUBSEQUENT INSTRUMENTAL ANALYSIS BEFORE OBTAINING THE
ACTUAL RESULT. THE OVERALL ADSORPTION-DESORPTION EFFICIENCY WAS
NEAR 100 PERCENT UNDER THE CONDITIONS USED. ANALYTICAL
TECHNIQUES ARE GIVEN.

ITEM 98

BFG Number 03-038454
Title STS #291 - AN INSTRUMENTAL SYSTEM FOR THE MONITORING OF VINYL
CHLORIDE MONOMER IN PLANT AND LABORATORY WORK ENVIRONMENTS
Authors CRIDER L B
Recipients
Document Date 08 Feb 1974
Document Type STAFF TECHNICAL SERVICES REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract

ITEM 99

BFG Number 03-039037
Title VINYL CHLORIDE MONOMER PERSONAL MONITORING BADGE
Authors KROENKE W J; PAUSCH J B
Recipients
Document Date 01 Feb 1974
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract SOME COMMERCIAL TUBES FOR DETECTING VINYL CHLORIDE MONOMER ARE DESCRIBED. THE REACTION INVOLVED IS PERMANGANATE OXIDATION OF THE DOUBLE BOND. BOTH QUALITATIVE AND QUANTITATIVE ASPECTS ARE OBTAINED.

ITEM 100

BFG Number 03-038631
Title AN ANALYTICAL SYSTEM FOR MEASURING THE ADSORPTION OF VCM ON CHARCOAL
Authors LEES G A; OMARA M M
Recipients
Document Date 01 Feb 1974
Document Type TECHNICAL REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract

ITEM 101

BFG Number 25-001110
Title DETERMINING EXPOSURE OF PERSONNEL TO GASEOUS VINYL CHLORIDE
Authors KROENKE W J
Recipients CRIDER L B
Document Date 01 Dec 1973
Document Type LETTER
Restriction 0 (Unrestricted)
Master File Location BRDC
Storage Media PAPER
Abstract OPINIONS ARE GIVEN ON THE POSSIBILITY OF USING INORGANIC OR ORGANOMETALLIC DETECTOR SYSTEMS FOR EITHER DETECTING OR PROVIDING A CUMULATIVE MEASURE OF EXPOSURE TO VINYL CHLORIDE GASES. THREE SYSTEMS DISCUSSED ARE 1. VCL-ORGANOCYANOCOBALTATE (III) COMPLEXES 2. VCL-STANNITE ION REACTION 3. VCL-HG(OAC)₂ ADDUCTS.

ITEM 102

BFG Number 03-033477
Title NITRIC OXIDE EXPERIMENT AT LONG BEACH
Authors MARTY H H;METZGER G H;TRAYNOR L
Recipients
Document Date 07 Oct 1971
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract

ITEM 103

BFG Number 03-032487
Title No Title Available - 1982 Conversion Record
Authors BITTEL T;JONES R A;KANG T L;KRAUSE F E;METZGER A P;NEUMAN R C;
WITENHAFFER D E
Recipients
Document Date 01 Apr 1971
Document Type R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract GRAY-FOLDER PT-18 DEVELOPMENT A SUMMARY REPORT KRAUSE-F-E
1971-04-26-COMPLETED 1971-04-28-ISSUED - KWIC

ITEM 104

BFG Number 03-026514
Title No Title Available - 1982 Conversion Record
Authors ADAMS Q M;BENSON J S;SCHONAERTS J J
Recipients
Document Date 01 Jun 1969
Document Type R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract BFG-HOECHST VINYL CHLORIDE PROCESS INFORMATION EXCHANGE
QUESTIONNAIRE 1969-06-24,25,26 MONTREAL, QUEBEC CANADA
BFG-CALVERT-FROM ADAMS-Q-M SCHONAERTS-J-J BENSON-J-S - KWIC

ITEM 105

BFG Number 03-024849
Title No Title Available - 1982 Conversion Record
Authors BRUNOT C A;HEINE D C
Recipients
Document Date 01 Mar 1969
Document Type CUSTOMER SERVICE REPORT;STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CSR THE EFFECTS OF COMONOMER TYPE STRUCTURE AND LEVEL ON RIGID
PVC WEATHERABILITY BRUNOT-C-A HEINE-D-C PROJ-3160-0572-2 3 YEAR
REPORT 1969-03-06 - KWIC

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ITEM 106

BFG Number 03-026573
Title No Title Available - 1982 Conversion Record
Authors DECAPITA E G;KATZENMEYER E B;MORGAN R S
Recipients
Document Date 01 Mar 1969
Document Type DEVELOPMENT REPORT;R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract A STUDY OF VINYL CHLORIDE VAPOR CONCENTRATIONS IN AVON LAKE
POLYMERIZERS KATZENMEYER-E-B DECAPITA-E-G MORGAN-R-S 1969 - KWIC

ITEM 107

BFG Number 03-022669
Title No Title Available - 1982 Conversion Record
Authors DISALVO J G
Recipients
Document Date 01 Jun 1968
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IOC RECOVERY OF UNREACTED VINYL CHLORIDE DISALVO-J 1968-06-21 -
KWIC

ITEM 108

BFG Number 03-022907
Title No Title Available - 1982 Conversion Record
Authors ATKINS E E
Recipients
Document Date 01 May 1968
Document Type MONOMER PROJECT REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract MONOMERS PROJECT REVIEW VINYL CHLORIDE SECTION METHYL CHLORIDE
CONTENT IN VINYL CHLORIDE ATKINS-E BFG-CALVERT-FROM 1968-05-29 -
KWIC

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ITEM 109

BFG Number 03-021695
Title No Title Available - 1982 Conversion Record
Authors MILLER R K
Recipients
Document Date 01 Feb 1968
Document Type G.P.C. STATUS REPORT;STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract SR GPC-04-03-03 EFFECT OF AGITATION ON RESINS GPC-04-11-01 IPP
CATALYST HANDLING GPC-04-13-01 HEAT TRANSFER COEFFICIENTS IN
POLYS GPC-05-03-02 REUSE OF RECOVERED VCL-POLYMER FORMATION
GPC-06-09-01 EARLY RECOVERY OR CONVERSION CONTROL GPC-72-02-04
BRABENDER EXTRUSION TEST GPC--72-03-03 REDUCE AMOUNT OF
STABILIZER IN 8750 8759 AND 8761 GPC-74-06-01 ELIMINATE FOREIGN
CUBE CONTAMINATION GPC-74-06-02 ELIMINATE STRINS AND TAILINGS
BFG-LONG-BEACH-FROM BABBITT-R 1968-02-22 - KWIC

ITEM 110

BFG Number 03-020931
Title No Title Available - 1982 Conversion Record
Authors DOYLE J M
Recipients
Document Date 01 Jan 1968
Document Type CUSTOMER SERVICE REPORT;STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CSR SR-1 APPLICABILITY OF PVC / ETHYLENE VINYL ACETATE
OVERPOLYMER 400X70 FOR OUTDOOR APPLICATIONS DOYLE-J JMD-004-68
PROJ-3160-0604 1 YEAR AGING 1968-01-03 - KWIC

ITEM 111

BFG Number 03-019543
Title No Title Available - 1982 Conversion Record
Authors MONTGOMERY D W
Recipients
Document Date 01 Nov 1967
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IOC MICROSCOPIC EXAMINATION OF WEATHERED BROWN GEON-82872
TENSILE SHEET SPECIMEN MONTGOMERY-D DWM-028-67 1967-11-28 - KWIC

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ITEM 112

BFG Number 03-017793
Title No Title Available - 1982 Conversion Record
Authors BITEMAN J H
Recipients
Document Date 01 Jun 1967
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IOC - PASTE RESINS MADE WITH FUNCTIONAL GROUP COMONOMERS -
PROPOSED PROGRAM - BITEMAN-J-H 1967-JUNE-5 - KWIC

ITEM 113

BFG Number 03-013703
Title No Title Available - 1982 Conversion Record
Authors ADAMS Q M;PADHU V R
Recipients
Document Date 01 Jul 1966
Document Type CLOSURE REPORT;INTER-ORGANIZATION CORRESPONDENCE;MONOMER PROJECT
REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract I-O-C CLOSURE-REPORT-MP-2001-CC STUDY THE OPERATION OF THE VCL
SCRUBBERS ADAMS + PADHU BFG-CALVERT-CITY-FROM 1966-JULY-29 - KWIC

ITEM 114

BFG Number 03-012350
Title No Title Available - 1982 Conversion Record
Authors ANTLEFINGER G J;VONKAMP H
Recipients
Document Date 01 Apr 1966
Document Type CUSTOMER SERVICE REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract EVALUATION OF VINYL CHLORIDE-PROPYLENE COPOLYMERS VONKAMP
ANTLEFINGER 1966-APRIL - KWIC

ITEM 115

BFG Number 03-012860
Title No Title Available - 1982 Conversion Record
Authors HALL S H
Recipients
Document Date 01 Apr 1966
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract GEON-443 SOLID CHARGES HALL, STANLEY BFG-NIAGARA-FALLS-FROM
1966-APRIL - KWIC

ITEM 116

BFG Number 03-010578
Title No Title Available - 1982 Conversion Record
Authors DAVIS S M
Recipients
Document Date 01 Oct 1965
Document Type INTER-ORGANIZATION CORRESPONDENCE;STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract I-O-C STATUS OF THE AGITATION-CONVERSION STUDY OCT-65 DAVIS, S. M. - KWIC

ITEM 117

BFG Number 03-008859
Title No Title Available - 1982 Conversion Record
Authors DAVIS S M
Recipients
Document Date 01 Oct 1965
Document Type INTER-ORGANIZATION CORRESPONDENCE;STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract STATUS OF THE AGITATION-CONVERSION STUDY OCT-65 DAVIS, S. M. - KWIC

ITEM 118

BFG Number 03-007330
Title No Title Available - 1982 Conversion Record
Authors NEUMAN R C
Recipients
Document Date 01 Sep 1965
Document Type STATUS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract SR WEATHERABILITY OF FUMARATE COPOLYMER AND OTHER RESINS STATUS III 12 MONTHS ARIZONA NEUMAN-R-C 1965-SEPT PROJ-3160-534 - KWIC

ITEM 119

BFG Number 03-006654
Title No Title Available - 1982 Conversion Record
Authors NO CONVERSION
Recipients
Document Date 01 May 1965
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract ENQUIRY INTO THE FIRE AT EDC PLANT ON 6TH MAY-1965 BRITISH-GEON-LTD. 1965-MAY - KWIC

ITEM 120

BFG Number 03-009375
Title No Title Available - 1982 Conversion Record
Authors ROHA M E
Recipients
Document Date 01 Nov 1964
Document Type TRIP REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CONTACT REPORT NO. 269 NOVEMBER 5, 1964 RUTGERSWERKE AND
TEERVERWALTUNG A. G. FRANKFURT GERMANY ROHA - KWIC

ITEM 121

BFG Number 03-016304
Title No Title Available - 1982 Conversion Record
Authors BROCKWELL H L
Recipients
Document Date 04 Jul 1976
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IOC - VCL VAPOR VENTING IN VCL TANK FARM - BROCKWELL-H-L
BFG-CALVERT-CITY-FROM 1967-MARCH-27 - KWIC

ITEM 122

BFG Number 03-019106
Title No Title Available - 1982 Conversion Record
Authors ADAMS Q M;BROCKWELL H L;FARBSTEIN S B;FELDSIEN P E;HISE D R;
HOLDMAN B W;KEMP W E;LANG W;ORSBORN C J;SOGAL S
Recipients
Document Date 04 Jul 1976
Document Type PROGRESS REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract PR 1967-07 TECHNICAL DEPARTMENT BFG-CALVERT-FROM FARBSTEIN-S
1967-08-09 - KWIC

ITEM 123

BFG Number 03-015772
Title No Title Available - 1982 Conversion Record
Authors REED W A;SCHAAF G D
Recipients
Document Date 04 Jul 1976
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CATALYSTS FOR THE POLYMERIZATION OF VINYL CHLORIDE - REED-W-A
1967-JAN-24 - KWIC

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ITEM 124

BFG Number 03-020513
Title No Title Available - 1982 Conversion Record
Authors ADAMS Q M;BECKA I M;DUWELIUS L A
Recipients
Document Date 04 Jul 1776
Document Type R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract GRAY-FOLDER INFORMATION EXCHANGE MEETING BFG HOECHST VINYL
CHLORIDE PROCESS FRANKFURT GERMANY 1967-06-14+16 ADAMS-Q
DUWELIUS-L BECKA-I BFG-CLEVE-FROM 1967-10 - KWIC

ITEM 125

BFG Number 03-030280
Title No Title Available - 1982 Conversion Record
Authors HOLBROOK W C;LANK J C
Recipients
Document Date 04 Jul 1776
Document Type DEVELOPMENT REPORT;R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract GRAY-FOLDER STUDY AND DESIGN OF SECONDARY TREATMENT FACILITIES
FOR A POLY VINYL CHLORIDE PRODUCTION PLANT HOLBROOK-W-C LANK-J-C
BFG-CLEVE-FROM - KWIC

ITEM 126

BFG Number 03-012163
Title No Title Available - 1982 Conversion Record
Authors NO CONVERSION
Recipients
Document Date 04 Jul 1776
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract COURT-OF-ENQUIRY-NO-36 ENQUIRY INTO THE IMPURITIES IN RECOVERED
MONOMER CAUSING FAST PASTE CHARGES AND POSSIBLE SAFETY HAZARDS
GRAY BRITISH-GEON-LIMITED 1964-OCT - KWIC

Item 127

BFG Number 03-021869
Title No Title Available - 1982 Conversion Record
Authors REED W A
Recipients
Document Date 04 Jul 1776
Document Type REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract MEETING SELECTIVE ION ELECTRODES FOR CONTINUOUS CHLORIDE
ANALYSIS REED-W 1968-03-06 - KWIC

ITEM 128

BFG Number 03-017801
 Title No Title Available - 1982 Conversion Record
 Authors ADAMS Q M;ANDERSON L A;BENSON J S;BROCKWELL H L;FARBSTEIN S B;
 FELDSIEN P E;HENSON F;HISE D R;HOLDMAN B W;KEMP W E;LANG W;LOTT
 J O;ORSBORN C J;PADHU V R;SOGAL S;THOMAS R L;WY SOCK M M
 Recipients
 Document Date 04 Jul 1976
 Document Type PROGRESS REPORT
 Restriction 0 (Unrestricted)
 Master File Location ALTC
 Storage Media MICROFILM
 Abstract PROGRESS-REPORT - TECHNICAL-DEPARTMENT - 1967-APRIL
 FARBSTEIN-S-B BFG-CALVERT-CITY-FROM 1967-MAY-15 - KWIC

ITEM 129

BFG Number 03-018083
 Title No Title Available - 1982 Conversion Record
 Authors BRUNOT C A
 Recipients
 Document Date 04 Jul 1976
 Document Type INTER-ORGANIZATION CORRESPONDENCE
 Restriction 0 (Unrestricted)
 Master File Location ALTC
 Storage Media MICROFILM
 Abstract IOC - COPOLYMER OUTDOOR AGING EVALUATION 12 MONTHS - BRUNOT-C-A
 1967-APRIL-4 - KWIC

ITEM 130

BFG Number 03-023176
 Title No Title Available - 1982 Conversion Record
 Authors DISALVO J G
 Recipients
 Document Date 04 Jul 1976
 Document Type INTER-ORGANIZATION CORRESPONDENCE;STATUS REPORT
 Restriction 0 (Unrestricted)
 Master File Location ALTC
 Storage Media MICROFILM
 Abstract IOC SR DEVELOPMENT CENTER POLLUTION CONTROL STATUS REPORT
 1968-06 DISALVO-J 1968-07-11 - KWIC

ITEM 131

BFG Number 03-014211
 Title No Title Available - 1982 Conversion Record
 Authors ANTLFINGER G J;BODZASH M C
 Recipients
 Document Date 04 Jul 1976
 Document Type INVENTION RECORD
 Restriction 0 (Unrestricted)
 Master File Location ALTC
 Storage Media MICROFILM
 Abstract INVENTION-RECORD-2748 THE USE OF ETHYLENE VINYL CHLORIDE LATEX
 POLYMERS IN EXTERIOR AND INTERIOR PAINTS DEPT-5025 ANTLFINGER
 BODZASH 1966-SEPT-1 - KWIC

ITEM 132

BFG Number 03-025674
Title No Title Available - 1982 Conversion Record
Authors OMARA M M
Recipients
Document Date 04 Jul 1976
Document Type DEVELOPMENT REPORT;R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract DEGRADATION AND COMBUSTION PRODUCTS FROM POLY (VINYL CHLORIDE)
II - DESCRIPTION OF PYROLYSIS UNIT AND INITIAL PYROLYSIS OF PVC
OMARA-M-M 1968-02-02 - KWIC

ITEM 133

BFG Number 03-026112
Title No Title Available - 1982 Conversion Record
Authors DOUGHTY M M;KUTE J R;PRINGLE L D;SCHAAF G D;TAYLOR R R
Recipients
Document Date 04 Jul 1976
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IOC SUMMARY OF MSA EXPLOSION METER AND RODNEY-HUNT STRIPPING
DATA COLLECTED SINCE 1964 BFG-LOUISVILLE-FROM KUTE-J-R
1969-05-19 - KWIC

ITEM 134

BFG Number 03-017441
Title No Title Available - 1982 Conversion Record
Authors DECAPITA E G
Recipients
Document Date 04 Jul 1976
Document Type INTER-ORGANIZATION CORRESPONDENCE
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IOC - GC ANALYSIS FOR ISOBUTYLENE IN VINYL CHLORIDE-PROPYLENE
POLYMERIZATION - DECAPITA-E-G 1967-JUNE-13 - KWIC

Item 135

BFG Number 03-017756
Title No Title Available - 1982 Conversion Record
Authors DECAPITA E G
Recipients
Document Date 04 Jul 1976
Document Type INTER-ORGANIZATION CORRESPONDENCE;TRIP REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract IOC - TRIP-REPORT - ASTM COMMITTEE D-20 ON PLASTICS -
DECAPITA-E-G 1967-JULY-25 - KWIC

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ITEM 136

BFG Number 03-028160
Title No Title Available - 1982 Conversion Record
Authors REED W A
Recipients
Document Date 04 Jul 1776
Document Type DEVELOPMENT REPORT;R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CSR GRAY-FOLDER DECOMPOSITION OF IPP AND OTHER REACTIVE
POLYMERIZATION CATALYSTS UNDER CONFINED CONDITIONS REED-W-A
1969-10-01 - KWIC

ITEM 137

BFG Number 03-028357
Title No Title Available - 1982 Conversion Record
Authors ANTLEFINGER G J
Recipients
Document Date 04 Jul 1776
Document Type DEVELOPMENT REPORT;R&D REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract VINYL CHLORIDE ACRYLIC POLYMERS AS EXTERIOR COATINGS PART II
ANTLEFINGER-G-J - KWIC

ITEM 138

BFG Number 03-029133
Title No Title Available - 1982 Conversion Record
Authors LEES G A;OMARA M M
Recipients
Document Date 04 Jul 1776
Document Type STAFF TECHNICAL SERVICES REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CSR GRAY-FOLDER DEGRADATION AND COMBUSTION PRODUCTS FROM POLY (VINYL) CHLORIDE IX COMBUSTION PRODUCTS FROM VINYL CHLORIDE
MONOMER OMARA-M-M LEES-G-A 1970-01-16 - KWIC

ITEM 139

BFG Number 03-003219
Title No Title Available - 1982 Conversion Record
Authors NO CONVERSION
Recipients
Document Date 04 Jul 1776
Document Type CUSTOMER SERVICE REPORT
Restriction 0 (Unrestricted)
Master File Location ALTC
Storage Media MICROFILM
Abstract CSR EVALUATION OF BARRY PREPARED PVC COPOLYMER LATEX, PREPARED
ACCORDING TO THE B-F-GOODRICH GEON 576 RECIPE BRITISH-GEON-LTD.
1964-APRIL BFG-CHEM-CO-ABOUT - KWIC