

E.I. DUPONT DE NEMOURS & CO. INC. (EMD) -- 4817 N -- 8030-00-919-9204

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Product Identification  
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Product ID:4817 N

MSDS Date:07/15/1988

FSC:8030

NIIN:00-919-9204

MSDS Number: BJDKC

=== Responsible Party ===

Company Name:E.I. DUPONT DE NEMOURS & CO. INC. (EMD)

Address:BARLEY MILL PLAZA

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441-7515, CHEMTREC 800-424-9300

Emergenc

y Phone Num:800-441-3637, CANADA 613-348-3616

CAGE:19898

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:DU PONT E I DE NEMOURS CO DEPT ELECTRONIC PROD DIV

Address:BUFFALO AVE

Box:City:NIAGARA FALLS

State:NY

ZIP:14302

Country:US

Phone:302-892-1227 ?

CAGE:50961

Company Name:E.I. DUPONT DE NEMOURS & CO., INC.

Box:1635

CAGE:19898

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= Composition/Information on Ingredients =====

Ingred Name:1-METHOXY-2-PROPANOL ACETATE  
(VAPOR PRESSURE 3.7 MM HG @ 20C)  
CAS:108-65-6  
RTECS #:AI8925000  
Fraction by Wt: 10-50%

Ingred Name:N-BUTYL ACETATE (SARA III)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 10-50%  
OSHA PEL:150 PPM/200 STEL  
ACGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:DIBUTYL PHTHALATE (SARA III)  
CAS:84-74-2  
RTECS #:TI0875000  
Fraction by Wt: 0-3%  
OSHA PEL:5 M  
G/M3  
ACGIH TLV:5 MG/M3; 9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:SILVER (SARA III)  
CAS:7440-22-4  
RTECS #:VW3500000  
Fraction by Wt: 10-50%  
OSHA PEL:0.01 MG/M3  
ACGIH TLV:0.1 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ACRYLIC RESIN  
Fraction by Wt: 10-50%

Ingred Name:PROPRIETARY INGREDIENT(S)  
Fraction by Wt: 0-3%

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP

:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:IRRITATION OF UPPER RESPIRATORY PASSAGES; ABNORMAL LIVER FUNCTION AS DETECTED BY LABORATORY TESTS; ABNORMAL KIDNEY FUNCTION AS DETECTED BY LABORATORY TESTS. NON-SPECIFIC DISCOMFORT, E.G., NAUSEA, HEADACHES WEAKNESS. SKIN PERMEATION CAN OCCUR IN AMT CAPABLE OF PRODUCING SYSTEMIC TOXICITY. ABSORB CONTRIB TO INTERN TOXICITY

Explanation of Carcinogenicity:NO INGREDIENTS OF THIS PRODUCT ARE DESIGNATED BY IARC, NTP, OSHA, ACGIH OR DUPONT AS POTENTIAL CARCINOGENS.

Effects of Overexposure:SKIN IRRITATION WITH DISCOMFORT OR RASH; EYE IRRITATION WITH DISCOMFORT, TEARING BLURRING OF VISION. NONSPECIFIC DISCOMFORT, E.G., NAUSEA, HEADACHE OR WEAKNESS. SKIN PERMEATION CAN OCCUR IN AMOUNTS CAP ABLE OF PRODUCING EFFECTS OF SYSTEMIC TOXICITY. ABSORPTION MAY CONTRIBUTE SIGNIFICANTLY TO INTERNAL TOXICITY OF INGRED

Medical Cond Aggravated by Exposure:NK (NOTE TO PHYSICIAN: TO PREPARE ACTIVATED CHAR-CO

AL SLURRY, SUSPEND 50G ACTIVATED CHARCOAL IN 400ML WATER IN PLASTIC BOTTLE & SHAKE WELL. ADMINIS- TER 5 MG/KG, OR 350 ML FOR AN AVERAGE ADULT.)

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===== First Aid Measures =====

First Aid:SKIN: IMMEDIATE WASH WITH SOAP & PLENTY OF WATER. EYE: IMMEDIATE FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN. CALL PHYSICIAN. INHALE: REMOVE TO FRESH AIR IMMEDIATE. IF NO BREATH, GIVE CPR, IF BREATH DIFF, GIVE OXYGEN, CALL PHYSICIAN. INGESTION: DO NOT INDUCE VO

MITING. IMMEDIATE GIVE 2 GLASSES OF WATER OR ACTIVATE CHARCOAL SLURRY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON. CALL PHYSICIAN.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:72 F/ 22 C

Extinguishing Media:WATER SPRAY, DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures:WEAR FULL PROTECT CLOTHES/FULL FACEPIECE, POSITIVE PRESS, SCBA; DECONTAM CONTAM CLOTHES & EQUIP W/SOAP & WATER. DISPOSE OF RESIDUES PER FED,

STATE, LOCAL REGS.

Unusual Fire/Explosion Hazard:KEEP AWAY FROM IGNITE SOURCES. VAPORS HEAVIER THAN AIR MAY TRAVEL ALONG GROUND TO SOURCE OF IGNITE & FLASHBACK. USE APPROPRIATE NEC CLASS. USE NON-SPARK TOOLS.

===== Accidental Release Measures =====

Spill Release Procedures:SM:ABSORB ON RAGS, SAND OR OTHER ABSORB MATERIAL. LRG: CLEAR AREA OF NON ESSENTIAL PERSONS. IF FLAMMLIQ PRESENT TURN OFF ELEC DEVICES/OTHER SOURCES OFIGNITE.WEAR PROTECT EQUIP  
. USE SUPPLIED AIR RSPTR. CONTAIN SPILL, DON'T LET SPREAD OR FLUSH IN SEWER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE BELOW 90F TO ENSURE VISCOSITY STABILITY. DO NOT STORE IN AREAS WHERE VAPOR MAY CONTACT SOURCESOF HEAT, SPARKS OR OPEN FLAMES.

Other Precautions:ADDITIONAL ENGINEERING CONTROLS, WORK PRACTICES & TRAINING MAY BE REQUIRED DEPENDING ON EXPOSURE LEVELS. THESE ARE DISCUSSED IN OSHA RESPIRATORY PROTEC ION STAND-ARD (29 CDR 1910.134) & OSHA HAZARD COMM UNICATION STANDARD (29 CFR 1910.1200).

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATORY PROTECTION WILL BE NEEDED IF EXPOSURES CAN NOT BE KEPT BELOW APPLIC-ABLE LIMITS BY OTHER MEANS. CONSULT ANSI STANDARD Z88.2 FOR DECISION LOGIC TO SELECT APPROPRIATE NIOSH/MESA APPROVED RES PIRATORS. INCLUDES AIR MONITOR, TRAINING

Ventilation:LOCAL VENT SHOULD BE USED TO KEEP EXPOSURES BELOW APPLICABLELIMITS. TOTALLY ENCLOSED HANDLING SYSTEMS ARE ALSO PREFERRED

Protective Gloves:BUTYL RUBBER RECOMMENDED.

Eye Protection:CHEMICAL SPLASH GOGGLES ARE RECOMMENDED.

Other Protective Equipment:PROTECTIVE OUTER CLOTHES SHOULD BE USED WHERE POSSIBILITY OFBODY CONTACT. CONTAM WORK CLOTHES SHOULDN'T LEAVE WORK AREA.

Work Hygienic Practices:AFTER HANDLING PRODUCT, WASH HANDS THOROUGHLY BEFORE LEAVINGWORK AREA. DON'T SMOKE, CONSUME OR STORE FOOD/DRINKS IN AREA

Suppl

emental Safety and Health

PRODUCT IS A PHYSICAL MIXTURE. HEALTH EFFECTS INFORMATION ABOUT PRODUCT IS BASEDON INDIVIDUAL INGREDIENTS. DATA IN THIS MSDS RELATES ONLY TO SPECIFIC PRODUCT DESIGNATED HEREIN & DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

===== Physical/Chemical Properties =====

HCC:F2

Solubility in Water:SLIGHT

Appearance and Odor:GREY LIQUID WITH A MILD FRUITY ODOR.

===== Stability and Re  
activity Data =====

Stability Indicator/Materials to Avoid:YES

NK

Stability Condition to Avoid:AVOID CONTACT WITH OXIDIZING AGENTS;  
ACIDS; POTASSIUM TERT- BUTOXIDE.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,  
WATER; NITROGEN OXIDES.

Conditions to Avoid Polymerization:THE PRODUCT DOES NOT NORMALLY  
POLYMERIZE SIGNIFICANTLY.

===== Disposal Considerations =====

Waste Disposal Methods:COMPONENTS OF PRODUCT MAY BE CONSID  
ERED

HAZARDOUS; WASTE PRODUCT MAY BE REFINED TO RECOVER PRECIOUS METAL  
CONTENTS. CONTAMINATED CLOTHES & CLEANING MATERIALS, ETC. SHOULD BE  
CONSIDERED HAZARDOUS UNTIL PROPERLY DISPOSED OF.

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