E I DUPONT DE NEMOURS & CO INC -- DE6018 -- 8010-00N078820

==================  Product Identification  ===================

Product ID: DE6018
MSDS Date: 01/12/1993
FSC: 8010
NIIN: 00N078820
MSDS Number: CGGQC

=== Responsible Party ===
Company Name: E I DUPONT DE NEMOURS & CO INC
Address: 1007 MARKET ST
City: WILMINGTON
State: DE
ZIP: 19898
Country: US
Info Phone Num: 800-441-9442
Emergency Phone Num: 800-441-3637; 800-424-9300 (CHEMTREC)
CAGE: 0ERJ7

=== Contractor Identification ===
Company Name: E I DUPONT DE NEMOURS & CO, INC.
Address: 1007 MARKET STREET
City: WILMINGTON
State: DE
ZIP: 19898
Country: US
Phone: 800-441-7515
CAGE: 0ERJ7

Company Name: E.I. DUPONT DE NEMOURS & CO
Address: 1007 MARKET STREET
Box: City: WILMINGTON
State: DE
ZIP: 19898
Country: US
Phone: 800-441-7515; 800-441-9442
CAGE: 18873

==============  Composition/Information on Ingredients  ===============

Ingred Name: XYLENE (SARA 313) (CERCLA) VP: 8 @ 20C
CAS: 1330-20-7
RTECS #: ZE2100000
Fraction by Wt: 30-60%
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM/150 STEL
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Ingred Name: 2(3H)-FURANONE, DIHYDRO-; (4-BUTYROLACTONE) VP: 1 @ 20C;
LD50 (ORAL RAT): 800-1600 MG/KG
CAS: 96-48-0
RTECS #: LU3500000
Fraction by Wt: 30-60%
OSHA PEL: N/K
ACGIH TLV: N/K

Ingred Name: EFTS OF OVEREXP: EYE IRRIT W/DISCOMFORT, TEARING/BLURRING
OF VISION. INHAL: NAUS, HDCH/WEAK. TEMPORARY NERV SYS (ING 4)
RTECS #: 9999999ZZ
Ingred Name: ING 3: DEPRESS W/ANESTH EFTS, DIZZ, HDCH, CONFUSION, INCOORD & LOSS OF CONSCIOUSNESS. INGEST: GI IRRIT, NAUS, (ING 5) RTECS #:9999999ZZ

Ingred Name: ING 4: HDCH/WEAK. HUMAN EFTS OF HIGHER LEVEL ACUTE, RPTD/CHRONIC OVEREXP MAY INCL: MUCOSAL HEMORR, LIVER DMG, (ING 6) RTECS #:9999999ZZ

Ingred Name: ING 5: KIDNEY DMG, CARDIOVASCULAR EFTS, RESP DFCLTYS, ANEMIA, FATALITY FROM GROSS OVEREXP; DEFAT (DRYING) OF SKIN(ING 7) RTECS #:9999999ZZ

Ingred Name: ING 6: W/REDNESS, BLISTERS, IRRIT. SKIN PERMEATION CAN OCCUR IN AMTS CAPABLE OF PRODUCING EFTS OF SYSTEMIC TOX. (ING 8) RTECS #:9999999ZZ

Ingred Name: ING 7: ONE PUBLISHED RPT'S LIMITED DATA SUGGESTED HIGH ORAL DOSES OF XYLENE CAUSED INCRD MALIGNANT TUMORS IN (ING 9) RTECS #:9999999ZZ

Ingred Name: ING 8: RATS. HOWEVER, OTHER, MORE EXTENSIVE STUDIES HAVE DEMONSTRATED NO CARCIN ACTIVITY. ING 2: ANIMAL TOX: (ING 10) RTECS #:9999999ZZ

Ingred Name: ING 9: MOD SKIN & EYE IRRIT. NO SKIN SENSIT. INHAL: RESP RATE CHANGES, HYPERACTIVITY, LETHARGY/INACTIVITY. RPTD/(ING 11) RTECS #:9999999ZZ

Ingred Name: ING 10: PRLNG ANIMAL EXPOS: INHAL: RESP RATE CHANGES. INGEST: LETHARGY/INACTIVITY, NASAL EFTS, WT LOSS. HUMAN (ING 12) RTECS #:9999999ZZ

Ingred Name: ING 11: HLTH EFTS OF OVEREXP MAY INCL SKIN IRRIT W/DISCOMFORT/RASH, EYE IRRIT W/DISCOMFORT, TEARING/BLURRING OF (ING 13) RTECS #:9999999ZZ

Ingred Name: ING 12: VISION. HUMAN EFTS OF HIGHER LEVEL ACUTE, RPTD/CHRONIC OVEREXP MAY INCL: IRRIT OF UPPER RESP PASSAGES W/(ING 14) RTECS #:9999999ZZ

Ingred Name: ING 13: COUGH & DISCOMFORT, TEMPORARY NERV SYS DEPRESS W/ANESTH EFTS, DIZZ, HDCH, CONFUSION, INCOORD & LOSS OF (ING 15) RTECS #:9999999ZZ

Ingred Name: ING 14: CONSCIOUSNESS, IRRIT OF UPPER RESP PASSAGES W/COUGH & DISCOMFORT. SKIN PERMEATION CAN OCCUR IN AMTS (ING 16) RTECS #:9999999ZZ

Ingred Name: ING 15: CAPABLE OF PRODUCING EFFECTS OF SYSTEMIC TOXICITY. RTECS #:9999999ZZ

Ingred Name: FIRST AID PROC: TO UNCON PERS. CALL MD. NOTE TO MD: GASTRIC LAVAGE MAY BE ADVISABLE FOR SIGNIFICANT INGESTIONS. RTECS #:9999999ZZ

Ingred Name: SPILL PROC: CONCS ARE NOT KNOWN. CONTAIN SPILL AT SOURCE BY DIKING/ABSORBING W/SAND. DO NOT ALLOW SPILL TO (ING 19)
Ingred Name: ING 18: SPREAD TO/INTENTIONALLY FLUSH TO SEWER/GROUND. WASH AREA THORO. ADEQ VENT AREA. SPILL RESIDUE, CLEANING (ING 20)

Ingred Name: ING 19: RAGS & ABSORB MAY BE CONSIDERED HAZ.

Ingred Name: RESP PROT: MEET APPLIC LIM, NIOSH APPRVD RESP PROT PROGRAM UP TO LEVEL OF OSHA STD 29 CFR 1910.134 IS MANDATORY. (ING 22)

Ingred Name: ING 21: THIS INCL AIR MONITORING, SELECTION, MED APPROVAL, TRAINING, FIT TESTING, INSPECTION, MAINT, CLEANING, (ING 23)

Ingred Name: ING 22: STOR, ETC. RESPS W/ORG VAP CARTRIDGES PROVIDE ADEQ PROT, W/IN USE LIMITATIONS FOR XYLENE.

Ingred Name: HYGIENE PRACT: AREA. CONTAM WORK CLTHG SHOULD NOT BE ALLOWED OUT OF WORKPLACE. DO NOT SMOKE, CONSUME/STORE FOOD (ING 25)

Ingred Name: ING 24: OR DRINKS IN AREAS WHERE PROD IS HANDLED/STORED. AFTER HNDLG PROD, WASH HANDS THORO BEFORE LEAVING WORK AREA.

Hazards Identification

LD50 LC50 Mixture: SEE INGREDIENT 2.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity: NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: ACUTE: ING 1: TOX ANIMAL EFTS: MILD TO SEV SKIN IRRIT, EYE IRRIT, NARCOS. INHAL: CARDIOVASCULAR EFTS, UPPER RESP IRRIT, BLOOD EFTS. INGEST: TREMORS, MUSC PARAL.

INHAL/INGEST: INCOORD, CNS EFTS. RPTD/P RLNG ANIMAL EXPOS: INHAL: REDUCED GROWTH RATE, BONE MARROW EFTS, BLOOD EFTS, KIDNEY EFTS, HEARING LOSS, (EFTS OF OVEREXP)

Explanation of Carcinogenicity: NOT RELEVANT.


INHAL/INGEST: WT LOSS. ADDNL A NIMAL TESTS HAVE SHOWN: DEVEL TOX AT DOSAGE LEVELS SHOWING MATERNAL TOX. HUMAN HLTH EFTS OF OVEREXP MAY INCL: (ING 3)

Medical Cond Aggravated by Exposure: INDIVIDUALS MAY HAVE INCREASED SUSCEPTIBILITY TO HAZARDS OF OVEREXP TO INGREDIENTS OF THIS PROD IF THEY HAVE PREEXISTING DISEASES OF CARDIOVASCULAR SYS, LUNGS, LIVER, KIDNEYS, CNS, BONE MARROW.

First Aid: SKIN: IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAM CLTHG & SHOES. CALL MD. WASH CONTAM CLTHG BEFORE REUSE. EYES: IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN.

CALL MD. INHAL: REMOVE TO FRESH AIR IMMED. IF NOT BRTHG GIVE ARTF RESP. IF BRTHG IS DFCLT GIVE OXYGEN. CALL MD. INGEST: DO NOT INDUCE VOMIT. IMMED GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH
Fire Fighting Measures

Flash Point: 95.0°F, 35.0°C
Extinguishing Media: WATER SPRAY, DRY CHEMICAL OR CARBON DIOXIDE.
Fire Fighting Procedures: WEAR NIOSH APPRVD SCBA & FULL PROT EQUIP.
   DECONTAM CONTAM CLTHG & EQUIP W/SOAP & WATER. DISP OF RESIDUES PER
   FED, STATE & LOC REGS.
Unusual Fire/Explosion Hazard: TOX DECOMP PRODS MAY FORM UNDER FIRE
   CNDTS. KEEP AWAY FROM SPKS & OPEN FLAMES. DO NOT SMOKE IN AREA
   W/OPEN PROD. SOLV VAPS ARE HVR/AIR & MAY TRAVEL (SUP DAT)

Accidental Release Measures

Spill Release Procedures: SML SPILL: ABSORB ON RAGS, SAND/OTHER ABSORB
   MATL. LGE SPILL: GET WORKERS OUT OF AFFECTED AREA. IF FLAM
   LIQS/VAPS MAY BE PRESENT, TURN OFF ELEC DEVICES/OTHER SOURCES OF
   SPKS/FLAMES. WEAR PROT EQUIP. USE NIOSH APPRVD SUPP-AIR RESP PROT
   IF VAP (ING 18)
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions: MINIMIZE BREATHING BY KEEPING JARS OF
   PRODUCT COVERED. STORE PRODUCT BELOW 90°F TO ENSURE PRODUCT
   VISCOSITY STABILITY.
Other Precautions: EMPTY PROD CONTRS, CONTAM CLTHG & CLEANING MATLS,
   ETC, SHOULD BE CONSIDERED HAZ UNTIL DECONTAMINATED/PROPERLY
   DISPOSED OF. DO NOT STORE PRODUCT IN AREAS WHERE VAPORS MAY CONTACT
   SOURCES OF HEAT, SPARKS OR OPEN FLAME.

Exposure Controls/Personal Protection

Respiratory Protection: SELECTION OF SUITABLE RESP WILL DEPEND ON
   PROPERTIES OF CONTAMINANT(S) & THEIR ACTUAL/EXPECTED AIR CONC(S)
   VERSUS APPLC LIMITS. CONSULT ANSI STD Z88.2 FOR DECISION LOGIC TO
   SELECT APPROP NIOSH APPRVD RESPS; IF RESPS ARE NEEDED TO (ING 21)
Ventilation: NONE SPECIFIED BY MANUFACTURER.
Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES.
Other Protective Equipment: EMERGENCY EYEWASH AND DELUGE SHOWER MEETING
   ANSI DESIGN CRITERIA.
Work Hygienic Practices: AVOID INGEST BY WASHING HANDS BEFORE EATING,
   DRINKING/SMKNG, & RESTRICTING THESE ACTIVITIES TO OUTSIDE WORK (ING
   24)

Supplemental Safety and Health
EXPLOR HAZ: ALONG FLOOR TO SOURCE OF IGNIT & FLASHBACK. USE PROD IN
   AREAS & EQUIP W/APPRP NATIONAL ELEC CODE (NEC) CLASSIFICATION.
   CONSIDER NEED FOR SPK-PROOF TOOLS. IF PROD MAY BE HEATED > FLASH
   PONT DURING PROCESSING, REMOVE SOURCES OF IGNIT SUCH AS OPEN
   SPKS, FLAMES/STATIC DISCHARGE TO PVNT VAP IGNITION.

Physical/Chemical Properties

Vapor Pres: SEE INGS
Solubility in Water: HIGH TO MISCIBLE
Appearance and Odor: COLORLESS LIQUID, AROMATIC ODOR

Stability and Reactivity Data
Stability Indicator/Materials to Avoid: YES
AVOID CONTACT OXIDIZING AGENTS AND BASES.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: DECOMPOSITION PRODUCTS AT HIGH TEMPERATURE MAY INCLUDE: CARBON MONOXIDE, CARBON DIOXIDE, WATER.

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

Waste Disposal Methods: COMPONENTS OF THIS PRODUCT MAY BE CONSIDERED HAZARDOUS; CONSULT APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS FOR ALLOWABLE DISPOSAL METHODS.

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