E. I. DUPONT DE NEMOURS & CO., INC AUTOMOTIVE -- IMRON ACTIVATORS, CLEARS & ADDITIVES -- 8010-00D007875

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

Product ID:IMRON ACTIVATORS, CLEARS & ADDITIVES
MSDS Date:01/01/1997
FSC:8010
NIIN:00D007875
Status Code:A
MSDS Number: CJTZD
=== Responsible Party ===
Company Name:E. I. DUPONT DE NEMOURS & CO., INC AUTOMOTIVE
Address:UNK
Box:UNK
City:WILMINGTON
State:DE
ZIP:19898
Country:US
Info Phone Num:800-441-7515
Emergency Phone Num:800-441-7515/3637MEDICAL
Resp. Party Other MSDS Num.:HPC 5
Preparer's Name:T.R. LOUER,CIH
Chemtrec Ind/Phone:(800)424-9300
CAGE:TO417
=== Contractor Identification ===
Company Name:E. I. DUPONT DE NEMOURS & CO., INC AUTOMOTIVE
Address:UNK
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CAGE:TO417

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

Ingred Name:ACRYLIC POLYMER

Ingred Name:ALIPHATIC POLYISOCYANTE RESIN (HEXAMETHYLENE ISOCYANATE
POLYMER)
CAS:28182-81-2
RTECS #:NQ9170000
Other REC Limits:1 MG/M3 15 MIN STEL

Ingred Name:ALIPHATIC POLYMERIC ISOCYANATE
CAS:3779-63-3
Other REC Limits:0.5 MG/M3

Ingred Name:AROMATIC HYDROCARBONS
Other REC Limits:AS TRIMETHYLBENZENE
OSHA PEL:25 PPM
ACGIH TLV:25 PPM

Ingred Name:BUTYL ACETATE
CAS:123-86-4

RTECS #:AF7350000
OSHA PEL:710 MG/M3;150 PPM
ACGIH TLV:713 MG/M3;150 PPM
ACGIH STEL:950 MG/M3;200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:DIBUTYLTIN DILAURATE
CAS:77-58-7
RTECS #:WH7000000
OSHA PEL:0.1 MG/M3 AS TIN
ACGIH TLV:0.1 MG/M3 AS TIN

Ingred Name:ETHYL ACETATE
CAS:141-78-6
RTECS #:AH5425000
OSHA PEL:1400 MG/M3;400 PPM
ACGIH TLV:1440 MG/M3;400 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:GLYCOL MONOBUTYL ETHER ACETATE
CAS:112-07-2
RTECS #:KJ8925000
Other REC Limits:20 PPM DUPONT

Ingred Name:HYDROUS MAGENSIUM SILICATE
CAS:14807-96-6
RTECS #:WW2710000
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3 RESP

Ingred Name:MEDIUM ALIPHATIC SOLVENT NAPHTHA (PETROLEUM) (MINERAL
SPIRITS)
CAS:64742-88-7
Other REC Limits:100 PPM

Ingred Name:METHYL ETHYL KETONE
CAS:78-93-3
RTECS #:EL6475000
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG/M3;200 PPM
ACGIH STEL:885 MG/M3;300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:AROMATIC POLYISOCYANATE RESIN
Other REC Limits:1 MG/M3

Ingred Name:POLYURETHANE RESIN
CAS:9040-80-6

Ingred Name:PROPYLENE GLYCOL MONOMETHYLETHER ACETATE
CAS:108-65-6
RTECS #:AI8925000
Other REC Limits:10 PPM DUPONT

Ingred Name:SILICONE RESIN
CAS:9016-00-6

Ingred Name:TOLUENE
CAS:108-88-3
RTECS #:XS5250000
OSHA PEL:see Table Z-2
ACGIH TLV:188 MG/M3;50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE DIISOCYANATE
Other REC Limits:5 PPB DUPONT
OSHA PEL:20 PPB CEILING
ACGIH TLV:5 PPB

Ingred Name:XYLENE
CAS:1330-20-7
RTECS #:ZE2100000
OSHA PEL:100 PPM
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:651 MG/M3;150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:1,6-HEXAMETHYLENE DIISOCYANATE
CAS:822-06-0
RTECS #:MO1740000
ACGIH TLV:0.034 MG/M3;.005 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred
Name:2-(3',5',-BIS(1-METHYL-1-PHENYLETHYL)2'-HYDROXYLPHENYL)BENZOTR
IAZOLE

Ingred Name:2,4-PENTANEDIONE
CAS:123-54-6
RTECS #:SA1925000

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

LD50 LC50 Mixture:ORAL LD50(RAT):NOT SPECIFIED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:INGESTION:GASTROINTESTIONAL DISTRESS.
INHALATION:MAY CAUSE NOSE AND THROAT IRRITATION. SKIN OR EYE
CONTACT:MAY CAUSE IRRITATION OR BURNING. CHRONIC:PERMANENT BRAIN
AND NERVOUS SYSTEM DAMAGE, LUNG SENS ITZATION, LIVER AND KIDNEY
DAMAGE.
Explanation of Carcinogenicity:NO INFORMATION PROVIDED.
Effects of Overexposure:INGESTION:CALL PHYSICIAN IMMEDIATELY.
INHALATION: HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION.
SKIN OR EYE CONTACT: EYEWATERING, FOR IRRITATION CALL PHYSICIAN.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF LUNG
OR BREATHING PROBLEMS OR PRIOR REACTION TO ISCYANATES SHOULD NOT
USE OR BE EXPOSED TO THIS PRODUCT.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULT,OR OCCURS LATER CONSULT PHYSICIAN. EYE:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES; CALL PHYSICIAN. IN CASE OF SKIN CONTACT, WASH WITH SO AP AND WATER.

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

Flash Point Method:CC
Flash Point:>-4.4C, 24.F
24 -115F
Extinguishing Media:WATER SPRAY, FOAM,CARBON DIOXIDE, DRY CHEMICAL
Fire Fighting Procedures:FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS. WATER FROM FOG NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD UP.
Unusual Fire/Explosion Hazard:WHEN HEATED ABOVE FLASH POINT, EMITS FLAMMABLE VAPOR WHICH, WHEN MIXED WITH AIR, CAN BURN OR BE EXPLOSIVE. FINE MISTS OR SPRAYS MAY BE FLAMMABLE TEMPERATURES BELOW FLASH POINT.

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

Spill Release Procedures:VENTILATE AREA. REMOVE SOURCE OF IGNITION. PREVENT SKIN CONTACT AND BREATHING OF VAPOR. WEAR PROPERLY FITTING VAPOR/PARTICULATE RESPIRATOR(NIOSH/MSHA TC23C). CONFINE AND REMOVE WITH INERT ABSORBENT. I F THE MATERIAL HAS BEEN ACTIVATED WITH AN ISOCYANATE, WEAR POSITIVE-PRESSURE SUPPLIED-AIR RESPIRATOR(NIOSH/MSHA TC19C).
Neutralizing Agent:20% SURFACTANT (TERGITOL TMN-10 OR EQUIVALENT) AND 80% WATER OR 0-10% AMMONIA, 2-5% DETERGENT AND BALANCE WATER.

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

Handling and Storage Precautions:OBSERVE LABEL PRECAUTIONS.KEEP AWAY FROM HEAT, SPARKS, FLAMES. CLOSE CONTAINER AFTER EACH USE. GROUND CONTAINERS WHEN POURING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND SMOKING. DO NOT STOR E ABOVE 120 F.
Other Precautions:DO NOT SAND, FLAME CUT, BRAZE OR WELD DRY COATING WITHOUT A NIOSH/MSHA APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

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

Respiratory Protection:DO NOT BREATHE VAPORS OR MIST. WEAR A RESPIRATOR AT ALL TIMES WHEN HANDLING ISOCYANITE ACTIVATED MATERIALS.WEAR POSITIVE PRESSURE, SUPPLIED AIR RESPIRATOR (NIOSH/MSHA TC-19C).MIXING/BRUSH AND ROLL:NEG ATIVE PRESSURE,VAPOR PARTICULATE RESPIRATOR CAN BE USED. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE.
Ventilation:SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP CONTAMINANTS BELOW APPLICABLE OSHA REQUIREMENTS.
Protective Gloves:NEOPRENE GLOVES
Eye Protection:DESIRABLE INCLUDE SPLASH GUARDS AND SIDE SHIELDS
Other Protective Equipment:COVERALLS
Work Hygienic Practices:OBSERVE LABEL PRECAUTIONS.KEEP AWAY FROM HEAT SPARKS AND FLAME. CLOSE CONTAINER AFTER EACH USE.GROUND CONTAINERS

WHEN POURING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND SMOKING. ***

Supplemental Safety and Health

***DO NOT STORE ABOVE 120F. DO NOT PERMIT ANYONE WITHOUT PROTECTION IN THE PAINTING AREA.

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

HCC:F2
Boiling Pt:=76.C, 168.8F
B.P. Text:TO 213C-415F
Vapor Density:>AIR
VOC Grams/Liter:9.31
Evaporation Rate & Reference: