D-113 DESMODUR N-100

MSDS Number

BWHJM

National Stock Number

6850-00F006075

Product Name

D-113 DESMODUR N-100

Manufacturer

MILES INC

Product Identification

Product ID:D-113 DESMODUR N-100
MSDS Date:08/10/1993
FSC:6850
NIIN:00F006075
MSDS Number: BWHJM

Responsible Party

MILES INC

MOBAY RD

PITTSBURGH , PA 15205-9741

US

Emergency Phone: 800-662-2927/412-923-1800

Info Phone: 412-923-1800/800-662-2927

Preparer: BJ GAMBINO

Cage: MILES

Contractor

MILES INC

PITTSBURGH, PA 15205-9741

US

800-662-2927

Cage: MILES

Ingredients

ALIPHATIC POLYISOCYANATE, HEXAMETHYLENE DIISOCYANATE

CAS: 28182-81-2

RTECS: NQ9170000

Fraction By Weight: 99.3%

HEXAMETHYLENE DIISOCYANATE

CAS: 822-06-0

RTECS: MO1740000

ACGIH TLV: 0.005 PPM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

MONOMERS

Fraction By Weight:

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: IRRITATION/BURNING SENSATION TO RESPIRATORY TRACT/REDUCES LUNG FUNCTION. MAY LEAD TO BRONCHITIS/BRONCHIAL SPASM/PULMONARY EDEMA. OVEREXPOSURE OF ISOCYANATE; SENSITIZATION/DECREASED LUNG FU NCTION/DAMAGE WHICH MAY BE PERMANENT. SKIN: REACTS W/SKIN PROTEIN & MOISTURE; IRRITATION/SENSITIZATION. (SEE SUPP)
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, BURNING SENSATION, RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH, FEVER, CHILLS, WHEEZING, REDDENING, SWELLING, RASH, SCALING, BLISTERING, PAIN, TEARING, STINGIN G
Medical Cond Aggravated by Exposure:ASTHMA & OTHER RESPIRATORY DISORDERS; BRONCHITIS, EMPHYSEMA, HYPERREACTIVITY, SKIN ALLERGIES, ECZEMA.

First Aid

First Aid:EYES: FLUSH W/CLEAN, LUKEWARM WATER (LOW PRESSURE) FOR 15 MINS. SKIN: WASH THROROUGHLY W/SOAP & WATER. INHALATION: MOVE TO AN AREA FREE FROM EXPOSURE. GIVE OXYGEN/CPR AS NECESSARY. INGESTION: DON'T IN DUCE VOMITING. GIVE 1-2 CUPS OF MILK/WATER TO DRINK. DON'T GIVE ANYTHING BY MOUTH IF UNCONSCIOUS/CONVULSIVE. OBTAIN MEDICAL ATTENTION IN ALL CASES. CONTACT LENSES SHOULD NOT BE WORN. NOTE: (SEE SUPP)

Fire Fighting

Flash Point Method:SCC
Flash Point:375F
Extinguishing Media:DRY CHEMICAL, CO2, FOAM; WATER SPRAY FOR LARGE FIRES.
Fire Fighting Procedures:USE FULL EMERGENCY EQUIPMENT W/SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT/BURST WHEN CONTAMINATED W/WATER. CO2 EVOLVED.

Accidental Release

Spill Release Procedures:EVACUATE. REMOVE IGNITION SOURCES & VENTILATE AREA. USE PROTECTIVE EQUIPMENT. DIKE/IMPOUND MATERIAL. USE ABSORBENT OVER SPILLAGE, COLLECT IN OPEN CONTAINERS. REMOVE TO SAFE PLACE, COVER LOOSELY & LET STAND 24-48 HOURS. WASH AREA W/SOLUTION.
Neutralizing Agent:UNION CARBIDE'S TERGITOL TMN-10 & WATER 80%; AMMONIA 3-8%, DETERGENT/WATER 90-95

Handling

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS. DON'T RESEAL IF CONTAMINATED. STORAGE TEMP RANGE FOR EASE OF HANDLING IS 50-81F. AVOID SKIN & EYE CONTACT.
Other Precautions:EMPTY CONTAINERS MUST BE HANDLED W/CARE DUE TO PRODUCT RESIDUE. DECONTAMINATE CONTAINERS PRIOR TO DISPOSAL. DON'T HEAT/CUT EMPTY CONTAINER W/ELECTRIC/GAS TORCH. SHELF LIFE IS 6 MONTHS AT 77F. STORAGE TEMP IS MIN -30F/MAX 122F.

Exposure Controls

Respiratory Protection:USE AN AIR PURIFYING/FRESH AIR SUPPLIED RESPIRATOR. WHEN SPRAY APPLICATION, USE A POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR.
Ventilation:EXHAUST SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF HEXAMETHYLENE DIISOCYANIDE & POLYISOCYANATE Protective Gloves:PERMEATION RESISTANT
Eye Protection:SAFETY GLASSES, SPLASH GOGGLES
Other Protective Equipment:FACE SHIELD, SAFETY SHOWER

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
HEALTH HAZ CONT'D: EYES: IRRITATION/CORNEAL OPACITY. INGESTION: IRRITATION/POSSIBLE CORROSIVE ACTION IN THE MOUTH/STOMACH TISSUE/DIGESTIVE TRACT. NOTE TO PHYSICIAN: EYES-STAIN FOR EVIDENCE OF CORNEAL INJURY. IF BURNED, INSTILL ANTIBIOTIC/STEROID PREPARATION FREQUENTLY. SKIN/INHALATION/INGESTION: TREAT SYMPTOMATICALLY.

Chemical Properties

Boiling Pt:B.P. Text:382F
Vapor Pres: 0
Spec Gravity:1.14
Solubility in Water:INSOLUBLE
Appearance and Odor:CLEAR/PALE YELLOW LIQUID W/NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS & SURFACE ACTIVE MATERIALS.
Stability Condition to Avoid:HEAT, TEMPS >400F, MOISTURE
Hazardous Decomposition Products:CO2, CO, OXIDES OF NITROGEN, HYDROGEN CYANIDE, HEXAMETHYLENE DIISOCYANIDE.
Conditions to Avoid Polymerization:MOISTURE, TEMPS >400F.

Disposal

Waste Disposal Methods:INCINERATE/DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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