

MIL-C-46168D PART B 4:1 BLEND

MSDS Number

BHBFL

National Stock Number

8010-01-260-0916

Product Name

MIL-C-46168D PART B 4:1 BLEND

Manufacturer

NILES CHEMICAL PAINT CO

Product Identification

Product ID: MIL-C-46168D PART B 4:1 BLEND

MSDS Date: 11/17/1988

FSC: 8010

NIIN: 01-260-0916

MSDS Number: BHBFL

Responsible Party

NILES CHEMICAL PAINT CO.

225 FORT STREET

NILES, MI 49120

Emergency Phone: (219) 236-5856

Info Phone: (616) 683-3377

Preparer: MICHAEL J. LICHATOWICH

Cage: 02388

Contractor

NILES CHEMICAL PAINT

307

NILES, MI 49120

US

616-683-3377/219-236-5856

Cage: 02388

Ingredients

ALIPHATIC POLYISOCYANATE

CAS: 28182-81-2

RTECS: NQ9170000

Fraction By Weight: 75%

1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)

CAS: 822-06-0

RTECS: MO1740000

Fraction By Weight:

ACGIH TLV: 0.005 PPM; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 12.5%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

N-BUTYL ACETATE (SARA III)

CAS: 123-86-4

RTECS: AF7350000

Fraction By Weight: 12.5%

OSHA PEL150 PPM/200 STEL

ACGIH TLV: 150 PPM/200STEL;9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50: 20 G/KG (RAT)

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

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

Health Hazards Acute and Chronic:INHALATION: MUCOUS MEMBRANES, NOSE, THROAT, LUNGS & EYES, COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH & REDUCED LUNG FUNCTION, HEADACHE, NAUSEA, NARCOSIS, FATIGUE & LOSS OF APPETITE.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: CHEST TIGHTNESS, WHEEZING, COUGH, SHORTNESS OF BREATH, ASTHMATIC ATTACK, LUNG DAMAGE, PERMANENT BRAIN/NERVOUS SYSTEM DAMAGE/LOSS OF MEMORY, INTELLECTUAL ABILITY & COORDINATION. SKIN/EYES:

REDDENING/SWELLING/RASH/SCALING/BLISTERING/DEFATTED/CRACKED/DERMATITIS. INGESTION: ACTION IN THE MOUTH/DIGESTIVE TRACT.

Medical Cond Aggravated by Exposure:RESP SYSTEM/CORNEAL

INJURY/BURN/PULMONARY SENSITIZER/BLOOD/LIVER

DAMAGE/KIDNEYS/ASTHMA/RESP

DISORDERS/BRONCHITIS/EMPHYSEMA/HYPERREACTIVITY; SKIN ALLERGIES, ECZEMA & RASH.

First Aid

First Aid:INHALATION: MOVE TO AN AREA FREE FROM RISK OF FURTHER EXPOSURE. ADMINISTER OXYGEN. SKIN: REMOVE CONTAMINATED CLOTHING/WASH THOROUGHLY BEFORE REUSE. WASH AFFECTED AREA THOROUGHLY W/SOAP & WATER. SEEK MED ATT. EYE: FLUSH W/CLEAN, WARM WATER FOR AT LEAST 15 MINS. OBTAIN MED ATT. INGESTION: DON'T INDUCE VOMITING. DON'T GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONSULT PHYSICIAN.

Fire Fighting

Flash Point Method:PMCC

Flash Point:91F

Lower Limits:1.0%

Upper Limits:7.6%

Extinguishing Media:FOAM, "ALCOHOL", CO2, DRY CHEMICAL

Fire Fighting Procedures:FULL EMERGENCY EQUIPMENT/SCBA & FULL

PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:VAPORS MAY BE >AIR/BUILD UP/TRAVEL ALONG THE GROUND/FLASHBACK. CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT/BURST WHEN CONTAMINATED W/WATER, CO2.

Accidental Release

Spill Release Procedures:EVACUATE NONESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION/VENTILATE AREA. DIKE/IMPOUND SPILLED MATERIAL/CONTROL FURTHER SPILLAGE IF FEASIBLE. COVER THE SPILL W/SAWDUST/VERMICULITE/FULLER'S EARTH /OTHER ABSORBANT MATERIAL.

Neutralizing Agent:TMN-10 2%, WATER 90-95%, DETERGENT 2%

Handling

Handling and Storage Precautions:GROUND CONTAINERS DURING STORAGE/TRANSFER OPERATIONS. STORE IN TIGHTLY CLOSED CONTAINERS TO PREVENT MOISTURE CONTAMINATION. AVOID CONTACT W/SKIN/EYES.

Other Precautions:DON'T RESEAL IF CONTAMINATION IS SUSPECTED. AT MAXIMUM STORAGE TEMPS NOTED, MATERIAL MAY SLOWLY POLYMERIZE W/O HAZARD. IF CONTAINER IS EXPOSED TO HIGH HEAT, IT CAN BE PRESSURIZED/POSSIBLY RUPTURE EXPL OSIVELY.

Exposure Controls

Respiratory Protection:IN ADDITION, A RESPIRATOR THAT IS RECOMMENDED/APPROVED FOR USE IN ISOCYANATE CONTAINING ENVIRONMENTS (AIR PURIFYING OR FRESH AIR SUPPLIED) MAY BE NECESSARY.

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION TO KEEP Protective Gloves:RESISTANT

Eye Protection:SAFETY GLASSES, GOGGLES, FACE SHIELD

Other Protective Equipment:SAFETY SHOWERS/EYEWASH STATION.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING/BEFORE USING RESTROOM. SMOKE ONLY IN SMOKING AREAS.

Supplemental Safety and Health

EPA HAZARDOUS WASTE CODE: D-001 (IGNITABLE). WT PER GAL: 8.85. CONTACT LENSES SHOULDN'T BE WORN.

Chemical Properties

HCC:F4

Vapor Density:>AIR

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR TO PALE YELLOW LIQUID/SOLVENT ODOR.

Percent Volatiles by Volume:30%

Stability

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS, & SURFACE ACTIVE MATERIALS.

Stability Condition to Avoid:ISOLATE FROM HEAT, SPARKS, & OPEN FLAME

Hazardous Decomposition Products:CO2/CO/OXIDES OF NITROGEN, TRACES OF HNC/HDI. DURING FIRE HDI VAPORS/OTHER IRRITATING, HIGHLY TOXIC GASES MAY GENERATED.

Conditions to Avoid Polymerization:MOISTURE, HIGH TEMPERATURES, SHOCK FROM DROPPING. HDI REACTS SLOWLY W/WATER TO FORM CO2 GAS.

Disposal

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE W/FEDERAL/STATE/LOCAL ENVIRONMENTAL CONTROL REGS. DON'T HEAT, CUT ON OR NEAR EMPTY CONTAINERS W/ELECTRICAL/GAS TORCH. EMPTY CONTAINER MUST BE HANDLED W/CARE DUE TO PRODUCT RESIDUE/FLAMMABLE SOLVENT VAPOR.

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