

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

MSDS Number

BHNGZ

National Stock Number

8010-01-260-0914

Product Name

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

Manufacturer

NILES CHEMICAL PAINT COMPANY

Product Identification

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

MSDS Date:11/17/1988

FSC:8010

NIIN:01-260-0914

Kit Part:Y

MSDS Number: BHNGZ

Responsible Party

NILES CHEMICAL PAINT COMPANY

225 FORT STREET

NILES , MI 49120

US

Emergency Phone: 219-236-5856 (24 HOURS)

Info Phone: 616-683-3377 (INFORMATION)

Preparer: MIKE LICHATOWICH

Cage: 02388

Contractor

NILES CHEMICAL PAINT

307

NILES, MI 49120

US

616-683-3377/219-236-5856

Cage: 02388

Ingredients

HOMOPOLYMER OF HDI

CAS: 28182-81-2

RTECS: NQ9170000

Fraction By Weight: 75%

1,6-DIISOCYANATOHXANE (HEXAMETHYLENE DIISOCYANATE)

CAS: 822-06-0

RTECS: MO1740000

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

VOC. ORGANIC CMPD 2.21 LB/GAL LESS WATER & NPRS* 480 G/L

RTECS: 9999999VO

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:ACUTE:RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH, AND REDUCED LUNG FUNCTION.DELIBERATE CONCENTRATION AND INHALATION OF SOLVENT VAPORS CAN RESULT IN PERMANENT BRAIN AND NE RVOUS SYSTEM DAMAGE OR DEATH.CHRONIC: EXPOSURE TO ISOCYANATES CAN CAUSE REDDENING,SWELLING,RASH,SCALING,OR BLISTERING.
Effects of Overexposure:REDDENING, SWELLING, RASH, SCALING, OR BLISTERING. VOMITING MAY CAUSE ASPIRATIONOF THE LUNG, RESULTING IN CHEMICAL PNEUMONITIS.TARGET ORGANS:RESPIRATORY SYSTEM,CENTRAL NERVOUS SYSTEM,EYES, GASTROINTES TINAL TRACT,BLOOD,LIVER,KIDNEYS,SKIN.
Medical Cond Aggravated by Exposure:ASTHMA, RESPIRATORY DISORDERS SUCH AS BRONCHITIS, EMPHYSEMA, AND HYPERREACTIVITY: SKIN ALLERGIES ANDECZEMA.

First Aid

First Aid:MOVE TO AN AREA FREE OF FUTHER EXPOSURE. GIVE CPR IF NEEDED.SKIN CONTACT:REMOVECONTAMINATED CLOTHING IMMEDIATELY. WASH AFFECTED AREA WITH SOAP AND WATER.EYE CONTACT:FLUSH WITH CLEAN LUKE WARM WATER FOR AT LEAST 15 MINUTES, OCCASIONALLYLIFTING EYELIDS.INGESTION:DO NOT INDUCE VOMITING.DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON. CONSULT PHYSICIAN IN ALL THE ABOVE CASES.

Fire Fighting

Flash Point Method:PMCC
Flash Point:91F/33C
Lower Limits:1.0
Upper Limits:7.6

Extinguishing Media:FOAM, "ALCOHOL" FOAM, CO2, DRY CHEMICAL
Fire Fighting Procedures:SCBA AND FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMBUSTION OR COMBUSTION. ISOLATE FROM HEAT.
Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR CONTAMINATED W/WTRCREATING CO2. VAPORS CAN TRAVEL ALONG THE GROUND TO THE NEAREST IGNITION SOURCE.

Accidental Release

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. ABSORB WITH AN INERT MATERIAL. MINIMIZE THE BREATHING OF VAPORS AND SKIN CONTACT. FOR LARGER SPILLS, DIKE OR IMPOUND SEWERS AND OTHER WATERCOURSES. ADVISE THE THE PROPER AUTHORITIES.
Neutralizing Agent:TERGITOL TMN-10(20%)WATER(80%),CONCT AMMONIA(3-8%),DETERGENT(2%),WATER(90-95%)

Handling

Handling and Storage Precautions:AVOID STORAGE IN HIGH TEMPERATURE AREAS OR NEAR FIRE OR OPEN FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID ROUGH HANDLING.
Other Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY. DO NOT WELD OR FLAME CUT ON EMPTY DRUMS.STORAGE TEMP:32F(0C)MIN/122F(50C)MAX.AVERAGE SHELF LIFE:12 MONTHS @77F(25C).

Exposure Controls

Respiratory Protection:OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE (29 CFR 1910.134).USE OF POSITIVE PRESSURE RESPIRATOR IS MANDATORY IN CONFINED AREAS OR IF LEVELS ARE NOT KNOWN.
Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATION OF THE SOLVENT BELOW THEIR RESPECTIVE TLV UTILIZED.
Protective Gloves:CHEMICAL RESISTANT GLOVES
Eye Protection:SAFTETY GLASSES, SPLASH GOGGLES
Other Protective Equipment:ANYTHING TO PREVENT SKIN CONTACT.SAFETY SHOWERS AND EYEWASH STATIONS,EMPLOYEE EDUCATION ON SAFE USE OF PRODUCT.
Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING AND BEFORE USING THE RESTROOMS.SMOKE ONLY IN SMOKING AREAS.
Supplemental Safety and Health
CHRONIC SKIN EXPOSURE MAY CAUSE SIMILAR EFFECTS TO THOSE IDENTIFIED UNDER CHRONIC INHALATION EFFECTS.
IF CONTAINER IS EXPOSED TO HIGH HEAT,IT CAN BE PRESSURIZED AND POSS RUPTUREEXPLOSIVELY.

Chemical Properties

Vapor Density:>AIR
Viscosity:MPAS@20C 183
Evaporation Rate & Reference:SLOWER THEN ETHER
Solubility in Water:INSOLUBLE/REACTS WTR
Appearance and Odor:CLEAR TO PALE YELLOW LIQUID/SOLVENT ODOR
Percent Volatiles by Volume:CA 30

Stability

Stability Indicator/Materials to Avoid:YES
WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS, AND SURFACE ACTIVE MATERIALS.
Stability Condition to Avoid:MOISTURE, HIGH TEMPERATURES, SHOCK FROM DROPPING
Hazardous Decomposition Products:BY HEAT AND BY FIRE:CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN.TRACES OF HNC AND HDI.
Conditions to Avoid Polymerization:MAY OCCUR IF CONTACT WITH MOISTURE/OTHER MATERIAL THAT WILL REACT WITH ISOCYANATES.MAY OCCUR AT TEMP OVER 400F(204C).

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. INCINERATION IS PREFERRED.EMPTY

CONTAINER MUST BE HANDLED WITH CARE DUE TO PRODUCT
RESIDUE/FLAMMABLE SOLVENT VAPOR.

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