

MIL C 46168D PART B 4:1 BLEND

MSDS Number

BHNFJ

National Stock Number

8010-01-141-2416

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: 01/01/1987

FSC: 8010

NIIN: 01-141-2416

Kit Part: Y

MSDS Number: BHNFJ

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 2.21LB/GAL LESS WATER & NPRS*

RTECS: 9999999VO

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:INHALE:IRR MUCOUS
MEMBRANES/NOSE,THROAT,LUNGS,CAUSING RUN NOSE,SORE THRT,COUGH, CHEST
DISCOMF,SHRT BREATH,REDUCED LUNG FUNC.CAN DEVELOPE ISOCYANATE
SENSITAZA- TION.SKIN:IRR,SKN SENSITIZATION,DEFAT.DE RMATITIS,SKN
RASH,RED,SWELL,RASH,SCALE,BLISTER.EYES:IRR,TEAR,RED,SWELLING.INGEST
:IRR,CORROSIVE ACT IN MOUTH,STOM,DIGEST
Effects of Overexposure:EXPOSURE OVER TLV,BRONCHITIS,BRONCHIAL
SPASM,PULM EDEMA.RED,ITCHY EYES.DRYNESS OF THRT,TGHT
CHEST,HEADACHE,NAUSEA,NARCOSIS,FATIGUE,LOSS APPET,ASTHMA ATTACH,
ONCE SNSITIZED CAN EXPR THESE SYP WHEN EXP TO DUST,COLD AIR,
IRRITANTS. CAN CSEPERMANENT LUNG DAMAGE,PERM BRAIN DAMAGE,NERVOUS
SYSTEM DAMAGE.
Medical Cond Aggravated by Exposure:ASTHMA,RESPIRATORY DISORDERS SUCH
AS BRONCHITIS, EMPHYSEMA, AND HYPERREACTIVITY: SKIN ALLERGIES
ANDECZEMA.

First Aid

First Aid:INHALE:REMOVE FROM EXPOSURE.GIVE OXYGEN/CPR IF NEED.GET MED
ATTN.ASTHMATIC SYMPMAY DEVELOP IMMED/DELAY SEV HOURS.TREAT
SYMPTOMATIC.SKIN:REMVE CLOTH.WASH THORO W/SOAP&WTR.WSH CONTAM
CLOTH.GET MED ATTN IF IRR DEV.EYE:FLUSH LUKEWRM WTR 15 MINLIFT
EYELIDS.GET MED ATTN.INGEST:DONT VOMIT.GET MED ATT.THIS COMPOUND IS
KNOWN SKIN/PULMONARY SENSITIZER,TREAT SYMPTOMATIC.EYE:STAIN FOR
EVID CORNEAL INJURY.

Fire Fighting

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

Upper Limits:7.6
Extinguishing Media:FOAM, "ALCOHOL" FOAM, CO2, DRY CHEMICAL.
Fire Fighting Procedures:FULL EMERG EQUIP W/SELF-CONT BREATH APPARATUS,FULL PROT CLOTH.HDI VAPOR,&HIGH TOXIC GAS MAY GENERATE BY THERMAL DECOMP/COMBUST.KEEP FROM HEAT,ELECT EQUIP,SPRK
Unusual Fire/Explosion Hazard:CLSD CONT MAY EXP WHEN EXPOSE EXTRM HEAT,BURST WHEN CONTAMINATED W/WTR CREATING CO2.SOLVENT VAPOR MAY BE >AIR.STAG AIR MAY CAUSE VAPOR TO TRVL IGN SOURCE&BACK.

Accidental Release

Spill Release Procedures:EVACUATE.REMVE SRCE IGN,VENT AREA.DIKE/IMPOUND SPILLED MAT.NOTIFY AUTHR.CVR SPILL(SAWDUST,ETC) POUR DECONTAM SOLUT OVR SPILL AREA LET REACT 10 MIN.COLL MAT OPEN CONT TO SAFE PLACE.WASH W/DE- CONTAMINATION SOLUTIONS.RESP PROTECTIONRECCOMD.

Handling

Handling and Storage Precautions:TEMP:32 F(0 C)MIN /122F(50 C) MAX.SHELF LIFE: 12 MONTHS @ 77 F (25 C).IF EXP TO HGH HEAT,CAN PRESS & POSS RUPTURE EXPLOSIVELY.HDI REACTS SLOWLY W/WTR
Other Precautions:GAS CAN CAUSE SEALED CONT TO EXP & RUPT.AVOID MOISTURE,HIGH TEMPS,SHOCK FROM DROPPING,OPEN FLAME.GRND CONT DURING STORAGE/TRNSF.STORE TIGHTLY CLSD CONT.DONT RESEAL IF CONTAMINATION.IDEAL STORE RANG E, 50-81F (10-27 C).EMPLOYEE EDUCATION.

Exposure Controls

Respiratory Protection:EXHAUST VENT.IF AIRBORNE CONCEN UNKWN,EXCD 0.2PPM,OR OPER PERF CONFINED AREA, SUPPLIED AIR RESP MUST BE WORN.POST PRESS SUP AIR RESP MANDATORY IF AIRBORNE ISOCYANATE CONCTR NK,SPRAY PERF IN CONFINED SPACE,LMTD VENT.
Ventilation:EXHAUST VENTILATION SUFF TO KEEP THE AIRBORNEE CONCENT. OF THE SOLVENT.EXHAUST AIR MAY NEED TO BE CLEANED BY SCRUBBERS.
Protective Gloves:CHEMICAL RESISTANT GLOVES.
Eye Protection:SAFETY GLASSES,SPLASH GOGGLES,FACE SHILD
Other Protective Equipment:SKIN CREAMS, PROTECTIVE CLOTHING.COVER AS MUCH EXP SKIN AS POSS.SAFETY SHOWER&EYEWASH STATION SHOULD BE USED.
Work Hygienic Practices:WSH HANDS THORO BEFORE EATING,USING RESTROOMS.SMOKING IN SMOKING AREAS ONLY.
Supplemental Safety and Health
PHYSICIAN:IF CORNEA IS BURNED,INSTILL ANTIBOTIC/STEROID PREP.FREQ.VAPORS COULD PROD REVERSIBLE CORNEAL EPITHELIAL EDEMA.INGEST:TREAT SYMPTOMATICALLY.THERE IS NO SPECIFIC ANTIDOTE.INDUCE VOMIT IS CON TRAIINDICTED BECAUSE OF IRR NATURE.TARGETAREAS:RESP SYS,CENT NERV SYS,EYE,GI TRACT,BLOOD,LIVER,KIDNEYS,SKIN.

Chemical Properties

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:CA 30

Stability

Stability Indicator/Materials to Avoid:YES
WATER,AMINES,STRONG BASES,ALCOHOLS,METAL COMPOUNDS,SURFACE ACTIVE MATERIALS.
Stability Condition to Avoid:THIS MATERIAL HAS BEEN FOUND TO BE STABLE UNDER REASONABLE CONDITONS OF STORAGE AND USE.
Hazardous Decomposition Products:BY HIGH HEAT AND FIRE:CARBON DIOXIDE/MONOXIDE,OXIDES OF NITROGEN,TRACES OF HNC AND HDI.
Conditions to Avoid Polymerization:MAY OCCUR IF IN CONTACT WITH MOISTURE OR OTHER MATERIALS WHICH REACT W/ISOCYANATES.MAY OCCUR AT TEMP OVER 400F(204C).

Disposal

Waste Disposal Methods:IN ACCORD W/FED,STATE,LOCAL ENV CONTROL REGS.IN-
CINATION IS PREF.HANDLE EMPTY CONT W/CARE.DECON-TAMINATE CONT
PRIOR TO DISPOSE.DONT HEAT OR CUT ONNEAR EMPTY CONTAINER WITH
ELECTRICAL OR GAS TORCH.

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