

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

MSDS Number

BHNFS

National Stock Number

8010-01-144-9884

Product Name

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

Manufacturer

NILES CHEMICAL PAINT COMPANY

Product Identification

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

MSDS Date:11/17/1988

FSC:8010

NIIN:01-144-9884

Kit Part:Y

MSDS Number: BHNFS

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

RTECS: 9999999VO

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:INHALE:IRR MUCOUS MEMB IN
NOSE,THRT/LUNGS.RUNNY NOSE,SORE THRT,COUGH,CHEST DIS- COMFORT,SHORT
BREATH,REDUCED LUNG FUNC.ISOCYANATE SENSITIZATION.SKIN:IRR,RED,
SWELL,RASH,SCALE,BLISTER.SKIN SENSITIZAT
ION,DRY,DEFATTED,CRACKED.SIM EFFECT
ASIHAE.EYE:IRR,TEAR,RED,SWELL.FEEL OF FINE DUST IN
EYE.INGEST:IRR,CORR ACTION.
Effects of Overexposure:INHALE:BRONCHITIS,ASTHMA ATTACK,BRONCHIAL
SPASM,PULMONARY EDEMA,HYPERSENSITIVE
PNEUMONITIS.HEADACHE,NAUSEA,NARCOSIS,FATIGUE,LOSS APPET.DELIB
INHALE:PERMANENT NERV SYS/BRAIN DAMAGE,LOSS MEMORY,DEATH. LUNG
DAMAGE,LOSS COORD.SKIN:DRY,DEFATTEDCRACKED,DERMITITIS.EYES:FEELING
OF DUST.INGEST:IRR/POSS CORROSIVE,MOUTH,GI TRACT
Medical Cond Aggravated by Exposure:ASTHMA,RESPIRATORY DISORDERS
RE:BRONCHITIS,EMPHY- SEMA,HYPERREACTIVITY;SKIN ALLERGIES,ECZEMA.

First Aid

First Aid:INHALE:MOVE FROM EXPOSURE.ADMIN OXYGEN/CPR IF NEEDED.GET MED
ATTN.ASTHMATIC TYPESYMPTOMS MAY DEVELOP.MAY BE IMMED OR
DELAYED.TREAT SYMPTOMATICALLY.SKIN:REMOVE CONTAMINATED CLOTH
IMMED.WASH W/SOAP&WAT ER.WASH CONTAMINATED CLOTH.GET MED ATTNIF IRR
PERSISTS.EYE:FLUSH W/CLEAN,LUKEWARM WATER FOR 15 MIN,OCC LIFT
EYELIDS.GETMED ATTN.INGEST:DO NOT INDUCE VOMIT.GET MED ATTN.NOTHING
BY MOUTH TO UNCONCIOUS.

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 EMERGENCY EQUIP W/SELF-CONT BREATH

APPARATUS,FULL PROTECT CLOTHING.ISOLATE FROM HEAT,ELECT

EQUIP,SPARKS,OPEN FLAME.CLSD CONT MAY EXPLD IF EXPS'D EXTR HEAT.

Unusual Fire/Explosion Hazard:MAY BURST WHEN CONTAIN W/WATER,CREATE

CO2.SOLVENT VAPORS MAY BE >AIR.STAGNANT AIR MAY CAUSE VAPORS TO

BUILD/TRAVEL ALONG GRND TO IGN SOURCE,POSS FLASHBACK.

Accidental Release

Spill Release Procedures:EVACUATE.REMOVE SOURCE IGNITION,VENT

AREA.DIKE/IMPSPILLED MAT,CONTROL.NOTIFY AUTHORITIES.COVER WITH

SAWDUST,VERMICULITE,ETC.POUR DECONT MAT OVER LET REACT 10

MIN.COLLECT OPEN CONT,COVER LOOSE,LET STAND 24-48HRS.WASH DOWN

AREA W/DECONT SOLUTIONS.

Neutralizing Agent:UNION CARBIDE TERGITOL TMN-10(20%)WTR(80%);CONC

AMMON(3-8%)DETERG(2%)WTR (90-95%

Handling

Handling and Storage Precautions:STORE IN TIGHTLY CLSD CONTNR TO

PREVENT MOISTURE CONTAM.IDEAL STORAGE TEMP IS 50-81F/10-27C.KEEP

AWAY FROM HEAT,SPARKS, AND OPEN FLAME.

Other Precautions:GROUND CONTAINERS DURING STORAGE AND TRANSFER

OPERATIONS. DO NOT RESEAL IF CONTAMINATION IS SUSPECTED. AVOID

CONTACT WITH SKIN AND EYES. AT MAXIMUM STORAGE TEMPERATURES NOTED,

MATERIAL MAY SLOWLY POLY MERIZE WITHOUT HAZARD.

Exposure Controls

Respiratory Protection:RESPIRATOR THAT IS RECOM'D FOR ISOCYANATE

ENVIRO.MANDATORY IF USING IN CONFINED AREA/LIMITED VENT.SHOULD BE

USED IN NON-SPRAYING OPERATIONS.(POS PRESS SUPPLIED AIR).IF

AIRBORNE CONCENT NK,RESP IS NEED ED.SOLV CONCENT SHOULD BE CONSID

FOR USE

Ventilation:EXHAUST VENT SUFF TO KEEP AIRBORNE CONCENT OF SOLV BELOW

TLVEXHAUST AIR NEEDS TO BE CLEANED BY SCRUBBERS/FILTERS.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GLASSES,SPLASH GOGGLES,FACESHIELD

Other Protective Equipment:SKIN CREAM,APPROPRIATE CLOTHING.SAFETY

SHOWERS,EYEWASH STA- TIONS.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING AND BEFORE

USING REST- ROOMS.SMOKE ONLY IN SMOKING AREAS.

Supplemental Safety and Health

IF CORNEA IS BURNED INSTILL ANTIBIOTIC/STEROID PREPARATION

FREQUENTLY.WORKPLACE VAPORS COULD PRODUCE REVERS CORNEAL EPITHELIAL

EDEMA IMPAIRING VISION.TREAT FOR DERMATITIS OR THERMAL

BURN.INDUCING VOMI TING IS CONTRAINDICATED BECAUSE OF THEIRRITATING

NATURE OF THE COMPOUND.STAIN FOR EVIDENCE OF CORNEAL INJURY.

Chemical Properties

Boiling Pt:B.P. Text:NE

Vapor Density:>AIR

Viscosity:183MPAS @ 20C

Evaporation Rate & Reference:SLOWER THAN 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,SURFACE ACTIVE

MATERIALS.

Stability Condition to Avoid:MOISTURE,HIGH TEMPERATURES,SHOCK FROM

DROPPING.

Hazardous Decomposition Products:BY HIGH HEAT & FIRE:CARBON

DIOXIDE,CARBON MONOXIDE,OXIDES OFNITROGEN,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 ENVIRO REGS.INCINER-
ATION IS PREF.EMPTY CONT MUST BE HAND W/CARE DUE TO PRODUCT
RESIDUE/FLAM SOLV VAPOR.DECONTAMINATE PRIOR TO DISPOSAL.DO NOT
HEAT OR CUT ON OR NEAR EMPTY CONTAINER W/ELECTRICAL OR GAS
TORCH.

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