

NILES CHEMICAL PAINT COMPANY -- MIL-C-46168D PART B 4:1 BLEND -- 8010-01-260-0911

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Product Identification  
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Product ID:MIL-C-46168D PART B 4:1 BLEND  
MSDS Date:11/17/1988  
FSC:8010  
NIIN:01-260-0911  
Kit Part:Y  
MSDS Number: BHNGW  
=== Responsible Party ===  
Company Name:NILES CHEMICAL PAINT COMPANY  
Address:225 FORT STREET  
Box:307  
City:NILES  
State:MI  
ZIP:49120  
Country:US  
Info Phone Num:616-683-  
3377 (INFORMATION)  
Emergency Phone Num:219-236-5856 (24 HOURS)  
Preparer's Name:MIKE LICHATOWICH  
CAGE:02388

==== Contractor Identification ====

Company Name:NILES CHEMICAL PAINT  
Address:225 FORT STREET  
Box:307  
City:NILES  
State:MI  
ZIP:49120  
Country:US  
Phone:616-683-3377/219-236-5856  
CAGE:02388

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Composition/Information on Ingredients  
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Ingred Name:HOMOPOLYMER OF HDI  
(VAPOR PRESSURE 7.5E-5 MM @ 20C)  
CAS:28182-81-2  
RTECS #:NQ9170000  
Fraction by Wt: 75%

Ingr

ed Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)

CAS:822-06-0

RTECS #:MO1740000

ACGIH TLV:0.005 PPM; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 12.5%

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:N-BUTYL ACETATE (SARA III)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 12.5%

OSHA PEL:150 PPM/200 STEL

ACGIH TLV:150 PPM/200STE

L;9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====

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

Health Hazards Acute and Chronic:IRRITATE MUCOUS MEMBRANES, CAUSING  
RUNNY NOSE, SORE THROAT, COUGHING, CHEST  
DIS-COMFORT,REDDENING,SWELLING,RASH,SCALING,OR BLISTERING. CHRONIC  
SKIN EXPOSURE MAY CAUSE CHEST TIGHTNESS, WHEEZING, COU GH, AND  
SHORTNESS OF BREATH.

Effects of Overexposure:SORE THROAT, COUGHIN  
G, CHEST DISCOMFORT.

Medical Cond Aggravated by Exposure:RESPIRATIRY DISORDERS SUCH AS  
BRONCHITIS, EMPYSEMAAND HYPERACTIVITY. SKIN ALLERGIES AND ECZEMA.

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===== First Aid Measures =====

First Aid:INHAL: MOVE TO AREA FREE OF EXPOSURE, IF BREATHING HAS  
STOPPED GIVE CPR.SKIN:RE-MOVED CONTAMINATED CLOTHING IMMEDIATELY.  
WASH AFFECTED AREA W/SOAP AND WATRE.EYEFLUSH WITH WATER FOR ABOUT  
15 MIN LIFTIN G EYELIDS OCCASIONALLY.INGEST: DO NOTINDUCE VOMITI

MG

CALL A DR IN ALL THE ABOVE CASES.

===== Fire Fighting Measures =====

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 SHOULD BE WORN BY FIRE FIGHTER ALONG WITH PROTECTIVE CLOTHING. HIGHLY TOXIC GASES MAY BE GENERATED BY DECOMPOSITION OR COMBUSTION.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EX

TREME HEAT. SOLVENT VAPORS MAY BE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE.REMOVE ALL SOURCES OF IGNITION.DIKE OR IMPOUND SPILLED MATERIAL TO CONTROL FURTHER SPILLS.WASH DOWN AREA WITH DECONTAMINATION SOLUTION.

===== Handling and Storage =====

Handling and Storage Precautions:STORE AT 32F/0C MIN 122F/50C MAX.

SHELF LIFE: 12 MONTHS @ 77F/25C

Other Precautions:IF CONTAINER IS EXPOSED TO HIGH HEAT, IT CAN BE PRESSURIZED AND POSSIBLY RUP- TURE EXPLOSIVELY.HDI REACTS SLOWLY WITH WATER TO FORM CO2 GASES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:POSITIVE PRESSURE RESPIRATOR MANDATORY IN CONFINED AREA. AIR PURIFYING/FRESH AIR MAY BE NECESSARY.CONSIDER TYPE OF APPLICATION AND ENVIRONMENT CONCENTRATIONS

Ventilation:EXHAUST VENTILATION SUFFICIENT.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY GLASSES/SPLSH GOGS/FACESHIELD

Other Protective Equipment:COVER AS MUCH OF THE EXPOSED SKIN AS POSSIBLE WITH APPROPRIATE CLOTHING, CREAM.SHOWERS/EYEWASH STATIONS.

Work Hygienic Practices:WASH HANDS BEFORE EATING AND BEFORE USING RESTROOMS.SMOKE ONLY IN SMOKING AREAS.

Supplemental Safety and Health

CONTACT LENSES SHOULD NOT BE WORN.

CURED MATERIAL IS DIFFICULT TO REMOVE.

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===== Physical/Chemical Properties =====

HCC:F3

Boiling Pt:B.P. Text:NE

Decomp Temp:Decomp Text:NE

Vapor Density:>AIR

Viscosity:MPAS@20C 183

Evaporation Rate & Reference:SLOWER THEN ETHER

Solubility in Water:INSOLUBLE/REACT W/WA

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

Percent Volatiles by Volume:CA 30

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS,

METAL COMPOUNDS AND SURFACE

ACTIVE MATERIAL.

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

Hazardous Decomposition Products:BY HIGH HEAT AND FIRE:CARBON DIOXIDE, CARBON MONOXIDE,OXIDESOF NITROGEN, TRACES OF HNC AND HDI.

Conditions to Avoid Polymerization:IT MAY OCCUR IF IN CONTACT WITH

MOISTURE OR OTHER MATERIALS WHICH REACT WITH ISOCYANATES, MAY OCCUR AT OVER 400F(204C).

===== Disposal Considerations =====

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aste Disposal Methods:MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGS.INCINERATION IS PREFERRED. EMPTY CONTAINERS MUST BE HANDLED WITH CARE DUE TO PROUCT RESIDUE AND FLAMMABLE SOLVENT VAPORS.

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