

NILES CHEMICAL PAINT COMPANY -- MIL-C-46168D PART B 4:1 BLEND -- 8010-01-260-0914

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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:01-260-0914
Kit Part:Y
MSDS Number: BHNGZ
=== 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 LICHTOWICH
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

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

LESS WATER VOC.10.59 LB/GAL SOLIDS 1236 G/L SOLIDS CALCU

RTECS #:9999999VO

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

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 Aggrav

ated by Exposure:ASTHMA, RESPIRATORY DISORDERS SUCH AS BRONCHITIS, EMPHYSEMA, AND HYPERREACTIVITY: SKIN ALLERGIES ANDECZEMA.

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

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 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 AND FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIRE FIGHTERS. HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMBUSTION OR COMBU STION. 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 Measures =====

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 OTH ER WATERCOURSES. ADVISE THE THE PROPER AUTHORITIES.

Neutralizing Agent:TERGITOL TMN-10(20%)WATER(80%),CONCT AMMONIA(3-8%),DETERGENT(2%),WATER(90-95%)

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

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 FL

AME CUT ON EMPTY DRUMS.STORAGE

TEMP:32F(0C)MIN/122F(50C)MAX.AVERAGE SHELF LIFE:12 MONTHS

@77F(25C).

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

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.

===== Physical/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 and Reactivity Data =====

Stability In

dicator/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).

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

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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