

NILES CHEMICAL PAINT COMPANY -- MIL-C-46168D, PART B 4:1 BLEND -- 8010-01-130-3345

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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:01-130-3345

Kit Part:Y

MSDS Number: BHNDM

=== 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:616-68

3-3377 (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%

In

gred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)  
CAS:822-06-0  
RTECS #:MO1740000  
Fraction by Wt: 0.7%  
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  
A  
CGIH TLV:150 PPM/200STEL;9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:VOC. ORGANIC CMPD 2.21 LB/GAL  
RTECS #:9999999VO

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EXPOSURE MAY LEAD TO BRONCHITIS,  
BRONCHIAL SPASM, & PULMONARY EDEMA. CHEMICAL OR HYPERSENSITIVE  
PNEUMONITIS W/FLU LIKE SYMPTOMS. VOMITING MAY C  
AUSE ASPIRATIONOF  
THE SOLV RESULTING IN CHEM PNEUMONITI S. CONTACT W/BUTYL ACETATE OR  
XYLENECAN RESULT IN DRY,DEFATTED, & CRACKED SKIN CAUSING SUSCEPT.  
TO INFECTIONS.  
Effects of Overexposure:EYE: IRRIT.,TEARING,REDDENING, & SWELLING ALONG  
W/STINGING & DUST SENSATION SKIN:  
REDDENING,SWELLING,RASH,SCALING, OR BLISTERING, & DERMATITIS  
INHALE:IRRIT. THE MUCOUS MEMBRANES IN NO  
SE,THROAT,LUNGS,COUGHING,CHST DISCOMFORTINGEST: IRRIT. & CORROSIVE  
ACTION TO MOUTH,

STOMACH TISSUE, & DIGESTIVE TRACK.

Medical Cond Aggravated by Exposure: ASTHMA, RESPIRATORY DISORDERS SUCH AS BRONCHITIS, EMPHYSEMA, & HYPERRACTIVITY, SKIN ALLERGIES, AND ECZMA.

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

First Aid: EYE: FLUSH W/CLN LKW RM WTR, LOW PRESS FOR 15 MINS, LIFTING EYELIDS, GET MED ATTN SKIN: WASH AREA W/SOAP & WTR. REMOVE CONTAM. CLOTHING IMMED., GET MEDCL ATTN INGEST: DO NOT INDUCE VOMITING. DO NOT GIV E ANYTHING BY MOUTH, CONSULT A PHYSICIAN INHALE: REMOVE TO FRESH AIR, GIVE ARTIFICIAL RESP. AS NEEDED, GET MEDICAL ATTN ASTHMATIC TYPE SYMPTOMS MAY DEVELOP & MAY BE IMMED. OR DELAYED UP TO SEVERAL HRS

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===== 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: WEAR SCBA & FULL PROTECTIVE CLOTHING. ISOLATE FROM HEAT, ELEC. EQUIP, SPARKS, & OPEN FLAME. CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Unusual Fire/Explosion Hazard: BURST WHEN CONTAMINATED WITH WATER CREATING CO2. STAGNANT AIR MAY CAUSE VAPORS TO BLD UP & TRVL ALNG GRND TO AN IGN SOURCE W/MAY FLASH BK TO SOURCE OF VAPORS.

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

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION & VENTL AREA. DIKE OR IMPOUND SPILLED MATL & CONTRL FURTHER SPILLAGE IF POSS. COLLECT

MATL IN OPEN CONTNR TO SAFE PLACE. COVER LOOSELY & ALLOW TO STAND FOR 24-48 HRS. WASH DOWN SPILL AREAS W/DECONTAMINATION SOLUTIONS.

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

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

Handling and Storage Precautions: KEEP AWAY FROM HEAT, SPRKS, & OPEN FLAME. STORE IN TIGHTLY CLSD CONTNR TO PREVNT MOISTURE CONTAMIN. IDEAL STORAGE IS 50-81F/10-27C.

Other Precautions:

DO NOT RESEAL IF CONTAMINATION IS SUSPECTED. IF CONTNR IS EXPOSED TO HIGH HEAT, IT CAN BE PRESSURIZED & POSS RUPTURE EXPLOSIVELY. THIS GAS CAN CAUSE SEALED CONTAINERS TO EXPAND AND POSSIBLY RUPTUR E EXPLOSIVELY.

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

Respiratory Protection:POSTV. PRESS. SUPLD AIR RESP. IS MANDATORY FOR CONFND AREAS. OTHER APPROVED PROTECTION, AIR PURIFYING OR FRESH AIR SUPPLIED RESPIRATORS.

Ventilation:EXHAUST VENTILATIO N SUFFICIENT TO KEEP THE AIRBORNE CONCENT OF THE SOLVENT,HDI, & POLYISOCYANATE BELOW THEIR TLV'S

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY GLASSES,SPLASH GOGGLES,FACESHIELD

Other Protective Equipment:SAFETY SHOWERS & EYEWASH STATIONS SHOULD BE AVAILABLE & SHOULD BE USED WHEN NEEDED.

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING & BEFORE USING RESTROOMSSMOKE ONLY IN SMOKING AREAS.

Supplemental Safety and Health COVER AS MUCH OF THE EXPOSED SKI N AREA AS POSSIBLE WITH APPROPRIATE CLOTHING. IF SKIN CREAMS ARE USED, KEEP THE AREA PROTECTED ONLY BY THE CREAM TO A MINIMUM.WASH CONTAMINATED CLOTHING THOROUGHLY BE FORE REUSE.

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

Boiling Pt:B.P. Text:NE

Vapor Density:> AIR

Viscosity:183 MPAS @20C

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:INSOLUBLE/REACTS WTR

Appearance and Odor:CLEAR TO PALE YELLOW LIQUID WITH SOLVENT ODOR

Percent Vo

latiles by Volume:30 CA

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

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 HIGH HEAT & FIRE: CARBON IOXIDE/MONOXIDE,OXIDES OF NITRO-GEN, TRACES OF HNC AND HDI

Conditions to Avoid Polymerization:IF IN CONTACT WITH MOISTURE OR OTH

ER

MATL WHICH REACTS WITH ISOCYANATES. MAY OCCUR AT TEMP >400F/204C

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE W/FEDERAL, STATE, AND LOCAL REGULATIONS. INCINERATION IS PREFERRED. EMPTY CON-TAINER MUST BE HANDLED W/CARE DUE TO PROD RESIDUE & FLAM VAPOR. DO NOT HEAT OR CUT ON OR NEAR EMPTY CONTAINERS W/ELEC OR GAS TOURCH.

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