

NILES CHEMICAL PAINT COMPANY -- MIL-C-46168D, PART B 4:1 BLEND -- 8010-01-141-2414

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===== Product Identification =====

Product ID:MIL-C-46168D, PART B 4:1 BLEND
MSDS Date:11/17/1988
FSC:8010
NIIN:01-141-2414
Kit Part:Y
MSDS Number: BHYLG
=== 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 =====

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

PEL:NE
ACGIH TLV:NE

Ingred 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%
OSH
A PEL:150 PPM/200 STEL
ACGIH TLV:150 PPM/200STEL;9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

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===== Hazards Identification =====
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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 L

LIKE SYMPTOMS. VOMITING MAY CAUSE ASPIRATION OF THE SOLVENT RESULTING IN CHEMICAL PNEUMONITIS. CONTACT WITH BUTYL ACETATE OR XYLENE CAN RESULT IN DRY, DEFATTED, & CRACKED SKIN CAUSING SUSCEPT. TO INFECTIONS.

Effects of Overexposure: EYE: IRRIT., TEARING, REDDENING, & SWELLING ALONG WITH STINGING & DUST SENSATION SKIN:

REDDENING, SWELLING, RASH, SCALING, OR BLISTERING, & DERMATITIS

INHAL: IRRIT. THE MUCOUS MEMBRANES IN NOSE, THROAT, LUNGS, COUGHING, CHEST DISCOMFORTINGST: IRRIT.

T. & CORROSIVE

ACTION TO MOUTH, STOMACH TISSUE, & DIGESTIVE TRACK.

Medical Conditions Aggravated by Exposure: ASTHMA, RESPIRATORY DISORDERS SUCH AS BRONCHITIS, EMPHYSEMA, & HYPERACTIVITY, SKIN ALLERGIES, AND ECZEMA.

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

First Aid: EYE: FLUSH WITH CLEAN Lukewarm Water, Lower Press for 15 Mins, LIFTING EYELIDS, GET MEDICAL ATTENTION SKIN: WASH AREA WITH SOAP & WATER. REMOVE CONTAM. CLOTHING IMMEDIATELY, GET MEDICAL ATTENTION INGEST: DO NOT INDUCE VOMITING.

INGEST. DO NOT GIVE ANYTHING BY MOUTH, CONSULT A PHYSICIAN INHAL: REMOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION AS NEEDED, GET MEDICAL ATTENTION ASTHMATIC TYPE SYMPTOMS MAY DEVELOP & MAY BE IMMEDIATE OR DELAYED UP TO SEVERAL HOURS

===== 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, ELECTRICAL EQUIP, SPARKS, & OPEN FLAME. CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT, MAY ALSO

Unusual Fire/Explosion Hazard: BURST WHEN CONTAMINATED WITH WATER CREATING CO2. STAGNANT AIR MAY CAUSE VAPORS TO BUILD UP & TRAVEL ALONG GROUND TO AN IGNITION SOURCE WITH MAY FLASH BACK TO SOURCE OF VAPORS.

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

Spill Release Procedures: REMOVE ALL SOURCES OF IGNITION & VENTILATE AREA. DIKE OR IMPOUND SPILLED MATERIAL &

CONTRL FURTHER SPILLAGE IF POSS.

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

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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 CON

TNR 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.

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===== 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 VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATION 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 SKIN AREA AS POSSIBLE WITH APPROPRIATE CLOT

HING. IF SKIN CREAMS ARE USED, KEEP THE AREA PROTECTED ONLY BY

THE CREAM TO A MINIMUM.WASH CONTAMINATED CLOTHING THOROUGHLY BE FORE REUSE.

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===== 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

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

Percent Volatiles by Volume:30 CA

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===== 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, OR SHOCK FROM DROPPING

Hazardous Decomposition Products: BY HIGH HEAT & FIRE: CARBON DIOXIDE/MONOXIDE, OXIDES OF NITROGEN, TRACES OF HCN AND HDI

Conditions to Avoid Polymerization: IF IN CONTACT WITH MOISTURE OR OTHER 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 CONTAINER 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 TOUCH.

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