

NILES CHEMICAL PAINT COMPANY -- MIL-C-46168D, PART B 4:1 BLEND -- 8010-01-260-0917

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

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

MSDS Date:11/17/1988

FSC:8010

NIIN:01-260-0917

Kit Part:Y

MSDS Number: BHNHF

=== 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

===== 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%

Ing

red 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
AC
GIH 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 CA
USE ASPIRATIONOF
THE SOLVENT RESULTING IN CHEMICAL PNE UMONITIS. CONTACT W/BUTYL
ACETATE OR XYLENE CAN 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
INHAL: IRRIT. THE MUCOUS MEMBRANES IN NO
SE,THROAT,LUNGS,COUGHING,CHST DISCOMFORTINGST: 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.

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

First Aid:EYE: FLUSH W/CLN LKWRM WTR,LW PRESS FOR 15 MINS,LIFTING EYELIDS, GET MED ATTN SKIN: WASH AREA W/SOAP & WTR. REMOVE CONTAM. CLOTHING IMMED., GET MEDCL ATTN INGST: DONOT INDUCE VOMITING. DONOT GIVE ANYTHING BY MOUTH, CONSULT A PHYSICIANINHAL: 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

===== 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. EQU
IP, SPARKS, & OPEN FLAME. CLOSED CONTNR MAY EXPLD W/EXPSD 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.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION & VENTL. AREA. DIKEOR IMPOUND SPILLED MATL & CONTRL FURTHER SPILLAGE IF POSS. COLLECT MAT
L IN OPEN CONTNR TO SAFE PLACECOVER LOOSELY & ALLOW TO STAND FOR 24-48 HRS. WASH DOWN SPILL AREAS W/DECONTAMINATION SOLUTIONS.

===== 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 PRESSURIZE

D & POSS.

RUPTURE EXPLOSIVELY. THIS GAS CAN CAUSE SEALED CONTAINERS TO EXPAND AND POSSIBLY RUPTURE EXPLOSIVELY.

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

Respiratory Protection:POSTV. PRESS. SUPPLD 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 CLOTHING. IF SKIN CREAMS ARE USED, KEEP THE AREA PRO

TECTED ONLY BY

THE CREAM TO A MINIMUM.WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE 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

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

Percent Volatiles by Volume:30 CA

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

Stability I

ndicator/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 NITROGEN, TRACES OF HNC 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 C

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 TOUCH.

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