

NILES CHEMICAL PAINT CO -- MIL-C-46168D PART B 4:1 BLEND -- 8010-01-260-0908

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

MSDS Date:05/16/1995

FSC:8010

NIIN:01-260-0908

Kit Part:Y

MSDS Number: BYCPB

=== Responsible Party ===

Company Name:NILES CHEMICAL PAINT CO

Address:225 FORT ST

Box:307

City:NILES

State:MI

ZIP:49120

Country:US

Info Phone Num:616-683-3377 OR 219-23

6-5856

Emergency Phone Num:616-683-3377 OR 219-236-5856

Preparer's Name:MIKE J. 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 HEXAMETHYLENE DIISOCYANATE (HDI) (VP = 7.5 X
10-5 @ 20C)

CAS:28182-81-2

RTECS #:NQ9170000

Fraction by Wt: 75%

O

ther REC Limits:NONE RECOMMENDED

Ingred Name:HEXAMETHYLENE DIISOCYANATE *(RESIDUAL MONOMER CONTENT 1,7000 MG/KG RABBIT.

Effects of Overexposure:BURNING SENSATION (NOSE/THROAT/LUNGS), RUNNY NOSE, SORE THROAT, COUGHING, WHEEZING, ASTHMATIC ATTACK, LUNG SENSITIVITY, CHEST DISCOMFORT, SHORTNESS BREATH, FEVER, CHILLS. DRYNESS (THROAT), TIGHTNESS (CHEST). HEADACHE, NAUSEA, NARCOSIS, FATIGUE, LOSS APPETITE. REDNESS, RASH, SWELLING, SCALING, BLISTERING. ****

Medical Cond Aggrava

ted by Exposure:ASTHMA & OTHER RESPIRATORY

DISORDERS (BRONCHITIS, EMPHYSEMA, HYPERREACTIVITY), SKIN ALLERGIES, ECZEMA. ****LOSS COORDINATION, LOSS INTELLECTUAL ABILITY.

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

First Aid:INHAL: GET FRESH AIR. ADMIN OXYGEN/ARTIF RESP. CALL DR. ASTHMATIC SYMPTOMS? TREAT SYMPTOMATICALLY. CALL DR. SKIN: REMOVE CONTAM CLOTH. WASH W/SOAP & H2O. SEVERE EXPOS, REMOVE CLOTH, GET UNDER SAFETY SHOWER. CALL DR. LESSER EXPOS-C

ALL DR, IF IRRIT

DEVELOPS. EYES: WASH W/H2O 15 MIN, LIFT LIDS. CALL DR. INGEST: NO VOMIT. 1-2 CUPS MILK/H2O. NOTHING BY MOUTH UNCONSCIOUS/CONVULSING PERSON. CALL DR.

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

Flash Point Method:SCC

Flash Point:91.0F,32.8C

Lower Limits:1.0

Upper Limits:7.6

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL.

Fire Fighting Procedures:FULL EMERG EQUIP (SCBA & FULL PROTECT CLOTH)

DURING FIRE, HDI & OTHER TOXIC GASES M

AY BE GENERATED. ISOLATE FROM

IGNIT SOURCE. CLSD CNTNR MAY EXPLODE W/HEAT.*

Unusual Fire/Explosion Hazard:*CLSD CNTNR MAY BURST WHEN CONTAM W/WATER CREATING CO2. SOLVENT VAPOR HEAVIER THAN AIR, MAY TRAVEL ALONG GROUND TO IGNITION SOURCE & FLASHBACK TO VAPOR SOURCE.

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

Spill Release Procedures:EVAC PEOPLE. REMOVE IGNIT SOURCES. VENT.

DIKE/STOP SPILL. NOTIFY AUTHORITIES. COVER SPILL W/ABSORB/DECONTAM SOLUTION ON

SPILL, LET REACT 10 MIN. COLLECT PROD IN CNTNR, COVER LOOSELY, STAND 24 HR. WASH SPILL W/DECONTAM. RESPIRATOR PROTECT RECOMMENDED.

Neutralizing Agent:DECONTAM SOLUTIONS: NONIONIC SURFACTANT TERGITOL TMN-10(20%) WATER(80%);#

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

Handling and Storage Precautions:MIN -30F/MAX 122F. KEEP FROM IGNITION SOURCE/HEAT. GROUND CNTNRS DURING STORAGE/TRANSFER. STORE IN CLOSED CNTNRS. DO NOT RESEAL IF CONTAM.

Other Precautions:

AVOID CONTACT W/SKIN/EYES. POSITIVE PRESSURE SCBA MAY BE NECESSARY FOR MIXING OR BRUSH APPLICATION. SEE ADDITIONAL INFO ON FILE. FOLLOW LABEL INSTRUCT. #CONCENTRATED AMMONIA (3-8%) DETERGENT (2%) WATER 90-95%).

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

Respiratory Protection:RESPIRATOR RECOMM/APPROVED IN ISOCYANATE CONTAINING ENVIRONMENTS MAY BE NECESSARY. USE AIR PURIFYING/POSITIVE PRESSURE SCBA APPROPRIATE FOR ISOCYANATE CONCENTRATIONS. SEE

ORIGINAL MSDS ON FILE FOR FURTHER INFO.

Ventilation:EXHAUST VENT. SUFF TO KEEP AIRBORNE CONC OF HDI & POLYISOCYANATE BELOW TLV. EXHAUST AIR MAY NEED BE CLEANED.

Protective Gloves:CHEM RESISTANT, NITRILE/VITON/ETC.

Eye Protection:SFTY GLASSES/SPLASH GOGGLES/FACE SHIELD.

Other Protective Equipment:COVER AS MUCH SKIN AS POSSIBLE W/APPROPRIATE CLOTHES. IF SKIN CREAMS USED, KEEP AREA PROTECTED BY ONLY CREAM TO MINIMUM

Work Hygienic Practices:AVOID SKIN/EYE CONTACT/BREATHE VAPOR. WASH

CONTAM CLOTHING BEFORE REUSE. EYEWASH & SFTY SHOWERS NEEDED.

Supplemental Safety and Health

OVEREXPOSURE TO CHROMIUM SOLVENT HAS BEEN ASSOCIATED W/PERMANENT BRAIN/NERVOUS SYSTEM DAMAGE. SKIN: DEFATTING, DERMATITIS. SOLVENTS CAN PENETRATE SKIN & CAUSE SYSTEMIC EFFECTS. INGEST: IRRITATION/POSSIBLE CORROSIVE ACTION IN MOUTH/INTEST TRACT. VOMITING (ASPIRATION OF MAT'L) CAN RESULT IN CHEM PNEUMONITIS.

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

HCC:F2

Boi

ling Pt:B.P. Text:250 TO 289F

Vapor Density:>AIR

Spec Gravity:1.061

VOC Grams/Liter:2.21

Viscosity:183 MPAS @20C

Evaporation Rate & Reference:SLOWER THN ETHER (BUAC=1)

Solubility in Water:INSOL/REACTS W/WATER

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

Percent Volatiles by Volume:30.31

Corrosion Rate:MINIMAL

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

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS,
SURFACE ACTIVE

MATERIALS.

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

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

Conditions to Avoid Polymerization:MAY OCCUR IF IN CONTACT W/MOISTURE
OR OTHER MATERIALS WHICH REACT W/ISOCYANATES. MAY OCCUR AT
TEMPERATURES OVER 400F.

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

Waste Disposal Methods:IN ACC

ORDANCE W/FED, STATE, LOCAL ENVIRONMENTAL

CNTRL REGS. INCINERATION PREFERRED. IGNITABLE HAZ WASTE (PROD
RESIDUE/FLAMMABLE SOLVENT VAPOR). DECONTAMINATE CNTNRS PRIOR TO
DISPOSAL. DON'T HEAT/CUT O N/NEAR EMPTY CNTNRS.

===== Other Information =====

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