

NILES CHEMICAL PAINT CO. -- MIL-C-46168D PART B 4:1 BLEND -- 8010-01-260-0909

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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:01-260-0909  
Kit Part:Y  
MSDS Number: BYCPD  
=== Responsible Party ===  
Company Name:NILES CHEMICAL PAINT CO.  
Address:225 FORT STREET  
Box:307  
City:NILES  
State:MI  
ZIP:49120  
Country:US  
Info Phone Num:616-683-3377  
Emer  
gency Phone Num: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:NO INGREDIENT FOR THIS FORMULATION\_INGREDIENT

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Hazards Identification  
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LD50 LC50 Mixture:LD50 ORAL 4,300 MG/KG

RAT. INHAL\*\*\*

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL: IRRIT, REDUCED LUNG FUNCTION (BREATHING OBSTRUCTION), LUNG DAMAGE, BRONCHITIS, BRONCHIAL SPASM, PULMONARY EDEMA. CHEM/HYPERSENSITIVE PNEUMONITIS. EYE/NOSE/THROAT IRRIT. HIGH CONC CAN CAUSE DEATH. SOME INDIVIDUALS MAY DEVELOP ISOCYANATE SENSITIZATION (LATER REACT W/EXPOS BELOW TLV). MORE INFO ON FILE.

Explanation o

f Carcinogenicity:NK \*\*\*137 TO 1150 MG/M3 RAT. DERMAL >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 Aggravated 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-CALL DR, IF IRRIT DEVELOPS. EYES: WASH W/H2 O 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 MAY BE GENERATED. ISOLATE FROM IGNIT SOURC

E. 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 CNT

NR, COVER

LOOSELY, STAND 24 HR. WASH SPILL W/DECONTAM. RESPIRATOR PROTECT RECOMMENDED.

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

===== 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 PRES SURE 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%).

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

Respiratory Protection:RESPIRATOR RECOMM/APPROVED IN ISOCYANATE CONTAINING ENVIRONMENTS MAY BE NECESSARY. USE AIR PURIFYING/POS PRESSURE SCBA APPROPRIATE FOR ISOCYANATE CONCENTRATIONS. SEE ORIGINAL MSDS ON FILE FOR FURTHER INFO.

Vent

ilation: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 CHLOTHES. 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 & SFT

Y 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.

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

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

Vapor Density:>AIR

Spe

c Gravity:1.061

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 ACCORDANCE 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.

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