

NILES CHEMICAL PAINT CO. -- MIL-C-46168D PART B 4:1 BLEND -- 8010-01-130-3347

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

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

MSDS Date:05/16/1995

FSC:8010

NIIN:01-130-3347

Kit Part:Y

MSDS Number: BYCNB

=== 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

===== Composition/Information on Ingredients =====

Ingred Name:NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

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

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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