

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

Eme

rgency 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

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State:MI

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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

of 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.

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===== 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/H 20 15 MIN, LIFT LIDS. CALL DR. INGEST: NO VOMIT. 1-2 CUPS MILK/H2O. NOTHING BY MOUTH UNCONSCIOUS/CONVULSING PERSON. CALL DR.

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===== 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 SOUR

CE. 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 CN

TNR, 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 PRE SSURE SCBA MAY

BE NECESSARY FOR MIXING OR BRUSH APPLICATION. SEE ADDITIONAL INFO ON FILE. FOLLOW LABEL INSTRUCT. #CONCENTRATED AMMONIA (3-8%) DETERGENT (2%) WATE R 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.

Ven tilation: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 & SF

TY 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

Sp

ec 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, HIG

H 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 P

REFERRED. 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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