

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

Emergency 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 Ingesti

on: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 >1,700

0 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/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 MAY 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. RESPI
RATOR 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 PRESSURE 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.
Ventilation:EXHAUST VENT. SUFF TO KEEP AIRBORNE CONC OF HDI &
PO
LYISOCYANATE 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 & 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.

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

Boiling Pt:B.P. Text:250 TO 289F
Vapor Density:>AIR
Spec Gravity:1.061
Viscosity:183 MPAS @20C
Evaporation Rate & R
eference: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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