

NILES CHEMICAL PAINT CO -- CARC-B ACTIVATOR COMP B 4 TO 1 BLEND -- 8010-01-162-5578

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

Product ID:CARC-B ACTIVATOR COMP B 4 TO 1 BLEND

MSDS Date:11/15/1991

FSC:8010

NIIN:01-162-5578

Kit Part:Y

MSDS Number: BMXKQ

=== 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:616-6

83-3377

Emergency Phone Num:219-236-5856

Preparer's Name:MIKE 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:1,6-HEXAMETHYLENE DIISOCYANATE (VAPOR PRESSURE 9 MM @ 20 C)

Fraction by Wt: 75%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/1

00 PPM STEL

Ingred Name:HEXAMETHYLENE DIISOCYANATE (RESIDUAL MONOMER CONTENT LESS THAN 0.5% BASED ON RESIN SOLIDS AT TIME OF MFR. AFTER 3-6 #

CAS:822-06-0

RTECS #:MO1740000

Other REC Limits:0.02 PPM

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:# MONTHS STORAGE, FREE MONOMER CONTENT MAY RISE TO 1.6% MAX. MFR RECOMMENDS CEILING OF 0.02 PPM)

RTECS #:9999999ZZ

Other REC Limits:NONE SPECIFIED

Ingred Name:XYLENE (SARA III) (VAPOR PRESSURE 7.0 MM @ 20 C)

CAS:1330-20-7

RTECS #:ZE2100000

Frac

tion by Wt: 12%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/150 PPM STEL

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:BUTYL ACETATE (SARA III) (VAPOR PRESSURE 10 MM @ 20 C)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 12%

Other REC Limits:NONE SPECIFIED

OSHA PEL:150 PPM

ACGIH TLV:150 PPM/200 PPM STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:PROPRIETARY INGREDIENTS (MFR STATES UNIDENTIFIED INGREDIENTS NOT CONSIDERED HAZARDOUS UNDER FEDERAL HAZARD COMM REGULATIONS)

Fraction by Wt: BALANCE

Other REC Limits:NONE SPECIFIED

Ingred Name:VOC: 2.15 LBS/GAL

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50: 4,300 MG/KG (RATS) \*

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

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

Health Hazards Acute and Chronic:INHAL: MUCOUS MEMBRANE/RESP TRACT

IRRIT. BRONCHITIS/SPASMS, PULMONARY EDEMA.

## CHEM/HYPERSENSITIVE

PNEUMONITIS. NOSE/THROAT/EYE IRRIT. IMMEDIATE DANGEROUS TO LIFE/HEALTH. ISOCYANATE SENSITIZATION (CHEM ASTHMA). NON-SPECIFIC ASTHMATIC RESPONSES. LUNG DAMAGE/REDUCED FUNCTION. PERM BRAIN & NERV SYS DAMAGE. NEUROTOXIC EFFECTS.\*\*

Explanation of Carcinogenicity:NOT LISTED BY NTP, IARC, OR OSHA.

\*INHAL LC50 137 TO 1150 MG/M3 (RATS). MORE INFO ON FILE.

Effects of Overexposure:INHAL: RUNNY NOSE, SORE THROAT, COUGH, CHEST DISCOMFORT, SHORT BREATH, B

REATH OBSTRUCT. FLU-LIKE SYMPTOM. DRY

THROAT/TIGHT CHEST. HEADACHE, NAUSEA, NARCOSIS, FATIGUE, APPETITE LOSS. WHEEZE, ASTHMA ATTACK. INTELLECT/COORDINATION LOSS. SKIN: RED, SWELL, RASH, SCALING, BLISTER. DRY, CRACKED SKIN. INFECTION SUSCEPTIBLE.\*\*\*

Medical Condition Aggravated by Exposure:ASTHMA/RESP DISORDERS (BRONCHITIS, EMPHYSEMA, HYPER-REACTIVITY) SKIN ALLERGIES, ECZEMA.

\*\*\*SKIN: IRRIT. SYSTEMIC EFFECT THRU SKIN ABSORPTION. EYE: IRRIT. INGEST: IRRIT/CORROSIVE\*\*\*\*

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

First Aid:INHAL: MOVE TO FRESH AIR. ADMIN OXYGEN/ARTIF RESPIR AS NEEDED. GET MED AID. ASTHMATIC SYMPTOMS MAY DEVELOP, TREAT SYMPTOMS. SEE DR. SKIN: REMOVE CONTAM CLOTH IMMEDIATE. WASH W/SOAP & WATER. WASH CONTAM CLOTH BEFORE REUSE. SEVERE EXPOS, GET UNDER SAFETY SHOWER AFTER REMOVING CLOTH. GET MED AID. FOR LESSER EXPOS, GET MED AID IF IRRIT DEVELOPS. EYE: FLUSH W/LUKEWARM WATER (LOW PRESS) 15 MIN, LIFT EYELIDS.\*

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

Flash Point Method:SCC

Flash Point:72.0F,22.2C

Lower Limits:1.0

Upper Limits:7.6

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

Fire Fighting Procedures:FULL EMERGENCY EQUIP W/SCBA & FULL PROTECTIVE CLOTH. VAPOR HEAVIER THAN AIR, MAY TRAVEL ON GROUND TO IGNITION SOURCE AND FLASH BACK.

Unusual Fire/Explosion Hazard:HDI VAPOR & OTHER IRRITATING OR HIGHLY TOXIC GASES GENERATED BY COMBUSTION. CLOSED C

CONTAINER MAY EXPLOD

W/HEAT OR WHEN CONTAMINATED W/WATER CREATING CO2.

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

Spill Release Procedures:EVAC NONESSENTIAL. REMOVE IGNIT SOURCES. VENT AREA. DIKE. NOTIFY AUTHORITIES. COVER W/SAWDUST, VERMIC, FULLER'S EARTH, ETC. POUR DECONTAM SOLUTION OVER SPILL, ALLOW TO REACT 10 MIN. COLLECT IN OPEN CN TNRS, COVER LOOSELY. LET STAND 24-48 HRS.

Neutralizing Agent:TERGITOL TMN-10 (20%)/WATER (80%); CONC AMMONIA (3-8

)/DETERG (2%)/WTR (90-95%)

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME. GRND CNTNRS DURING STORAGE & TRANSFER OPERATIONS. STORE IN TIGHTLY CLSD CNTNRS TO PREVENT MOISTURE CONTAM.

Other Precautions:DO NOT RESEAL IF CONTAM SUSPECTED. AT MAX STORAGE TEMPERATURES NOTED, MAT'L MAY SLOWLY POLYMERIZE WITHOUT HAZARD. IDEAL STORAGE TEMPERATURE RANGE 50-80F. AVOID CONTACT W/SKIN & EYES.

EMPLOYEE EDUCATIO N/TRAIN IN SAFE USE/HANDLING REQUIRED.

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

Respiratory Protection:RSPRTR RECOMMENDED/APPROVED FOR USE IN ISOCYANATE CONTAINING ENVIRONMENTS (AIR PURIFYING/FRESH AIR SUPPLIED) MAY BE NECESSARY. CONSIDER TYPE OF APPLICATION & ENVIRONMNTL CONC. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE (29 CFR 1910.134).

Ventilation:PROVIDE EXHAUST VENT SUFF TO KEEP AIRBORNE CONC OF HDI & POLYISOCYANATE BELOW T

LV/MGL. SCRUB/FILTER EXHAUST AIR.

Protective Gloves:CHEM RESISTANT GLOVES (NITRILE, VITON)

Eye Protection:SFTY GLASSES, SPLASH GOGGLES, FACE SHLD

Other Protective Equipment:COVER EXPOSED SKIN W/CLOTHING (NITRILE, VITON). IF SKIN CREAMS USED, KEEP AREA PROTECTED BY ONLY CREAM TO MINIMUM.

Work Hygienic Practices:DON'T BREATH VAPOR. AVOID CONTACT W/EYES/SKIN. IN SPRAY OPERATIONS, PROTECT AGAINST EXPOSURE TO VAPOR/MIST.

Supplemental Safety and Health

\*\*\*EYES: TEAR/RED/SWELLING W/STING.

\*\*\*\*ACTION

IN DIGESTIVE TRACT. VOMITING MAY CAUSE ASPIRATION OF SOLVENT  
RESULTING IN CHEM PNEUMONITIS. \*\*\*\*\*GET TO  
DR/OPHTHMOLOGIST IMMEDIATELY. INGEST: DON'T INDUCE VOMIT. DRINK 1-2 CUPS  
MILK/WATER. NOTHING BY MOUTH TO UNCONSCIOUS/CONVULSING PERSON.

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

Boiling Pt:B.P. Text:250 TO 289F  
Vapor Density:> AIR  
Spec Gravity:8.85 LBS/GAL  
Viscosity:183 MPAS  
Evaporation Rate & Reference:SLOWER THAN ETHER.  
Solubility in Water:INSOLUBLE/REACT W/WATER  
Appearance and Odor:CLEAR TO PALE YELLOW LIQUID; SOLVENT ODOR.  
Percent Volatiles by Volume:30.31

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS, NITRATES, ALKALIES, ACIDS.  
Stability Condition to Avoid:MOISTURE, HIGH TEMPERATURES, SHOCK FROM  
DROPPING.  
Hazardous Decomposition Products:BY HIGH HEAT AND FIRE: CARBON DIOXIDE,  
CARBON MONOXIDE, OXIDES OF NITROGEN, TRACES OF HCN &  
HDI.  
Conditions to Avoid Polymerization:MAY OCCUR IF IN CONTACT WITH  
MOISTURE OR OTHER MATERIALS WHICH REACT WITH ISOCYANATES. MAY OCCUR  
AT TEMPERATURES >400F.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE W/FED,  
STATE, LOCAL REGS. INCINERATION PREFERRED. EMPTY CNTNR MUST BE  
HANDLED W/CARE. DECONTAM CNTNRS PRIOR TO DISPOSAL. DON'T HEAT/CUT  
ON/NEAR EMPTY CNTNRS W/ELECTRICAL OR GAS TORCH.

RCRA--IGNITIBLE;D001.

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