

AMERICAN SAFETY TECHNOLOGIES INC -- MS-7C/MS-10C HARDENER COMPONENT --  
8010-01-397-3986

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

Product ID:MS-7C/MS-10C HARDENER COMPONENT

MSDS Date:06/14/1996

FSC:8010

NIIN:01-397-3986

Kit Part:Y

MSDS Number: CHMGN

=== Responsible Party ===

Company Name:AMERICAN SAFETY TECHNOLOGIES INC

Address:565 EAGLE ROCK AVE

City:ROSELAND

State:NJ

ZIP:07068

Country:US

Info Phone Num

:201-403-2600

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Name:J HERMELE

CAGE:AMSAT

=== Contractor Identification ===

Company Name:AMERICAN SAFETY TECHNOLOGIES INC

Address:565 EAGLE ROCK AVE

Box:City:ROSELAND

State:NJ

ZIP:07068

Country:US

Phone:973-403-2600

CAGE:88444

Company Name:AMERICAN SAFETY TECHNOLOGIES INC.

Address:565 EAGLE ROCK AVENUE

City:ROSELAND

State:NJ

ZIP:07068

Country:US

Phone:800-424-9300

CAGE:AMSAT

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

Ingred Name:POLYAMIDE/EPOXY ADDUCT  
CAS:68424-41-9  
Fraction by Wt: 60-80%  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:N-BUTYL ALCOHOL (SARA 313) (CERCLA)  
CAS:71-36-3  
RTECS #:EO1400000  
Fraction by Wt: 20-35%  
OSHA PEL:100 PPM  
ACGIH TLV:S, C 50 PPM; 9495  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:AMIDOAMINE RESIN  
CAS:68443-08-3  
Fraction by Wt: 5-10%  
OSHA PEL:N/K  
ACGIH TLV:N/K

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: CAUSES SEVERE IRRITATION OR BURNS. MAY CAUSE PERMANENT VISUAL IMPAIRMENT. SKIN: CAUSES SEVERE IRRITATION OR BURNS. MAY BE ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. INHAL: MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. INGEST: MAY CAUSE BURNS OF MOUTH AND THROAT. CONTAINS MATERIAL THAT MAY BE SLIGHTLY TOXIC.

Explanation

of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:IRRITATION, SENSITIZATION AND DERMATITIS.

Medical Cond Aggravated by Exposure:ALLERGY, ECZEMA AND OTHER SKIN CONDITIONS.

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

First Aid:EYES: FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH CONTACT AREA WITH MILD SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST

CONSULT A PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO DILUTE. GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC

Flash Point:>100F,>38C

Lower Limits:2.0%

Upper Limits:12.0%

Extinguishing Media:DRY CHEMICAL, CHEMICAL FOAM, CARBON DIOXIDE OR WATER.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . REMOVE ALL SOURCES OF IGNITION.

Unusual F

ire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. DIKE SPILL. ABSORB WITH INERT MATERIAL AND COLLECT FOR DISPOSAL. FLUSH CONTAMINATED AREA WITH DILUTE (5%) ACETIC ACID AND COLLECT RINSATE FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling an

d Storage Precautions:AVOID ALL PERSONAL CONTACT. DO NOT EXCEED 110F/43C IN STORAGE AREA. GROUND AND BOUND METAL CONTAINERS FOR LIQUID TRANSFER TO AVOID STATIC SPARKS.

Other Precautions:A SAFETY SHOWER AND EYE WASH FACILITY SHOULD BE AVAILABLE TO EMPLOYEES. IMMEDIATELY REMOVE AND THOROUGHLY LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRI

DGE IF REQUIRED.

Ventilation:EXPLOSION-PROOF MECH VENT & LOC EXHST ARE REC. MECH EXHST IS NOT REC AS SOLE MEANS OF CONTROLLING EMPLOYEE EXPOSURE.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS(SUPDAT)

Other Protective Equipment:ANSI APPRVD EMER EYE WASH & DELUGE SHOWER . IN OPERATIONS WHERE CONTACT MAY OCCUR, COVERALLS, APRON AND (SUPDAT)

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

OTHER PROT EQUIP: IMPE

RVIOUS FOOT COVERING ARE RECOMMENDED. EYE PROT: AND FULL LENGTH FACESHIELD .

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

Boiling Pt:B.P. Text:>240F,>116C

Vapor Pres:4.3

Vapor Density:2.6

Spec Gravity:0.96

Evaporation Rate & Reference:0.45 (BUTYL ACETATE = 1)

Solubility in Water:PARTIALLY SOLUBLE

Appearance and Odor:AMBER LIQUID, SOLVENT ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG

OXIDIZING AGENTS.

Stability Condition to Avoid:EXCESSIVE HEAT.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES AND OXIDES OF NITROGEN.

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

Waste Disposal Methods:THIS PRODUCT, IF DISPOSED AS SHIPPED, MEETS EPA CRITERIA OF A HAZARDOUS WASTE AS SPECIFIED IN 40 CFR 261 ON THE BASIS OF IT'S IGNITABILITY. DISPOSE OF IN A LICENSED HAZARDOUS WASTE FACILITY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.

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