

AMERICAN SAFETY TECHNOLOGIES INC -- MS-7C/ MS-10C HARDENER COMPONENT --
8010-01-397-3911

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

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

MSDS Date:07/14/1998

FSC:8010

NIIN:01-397-3911

Status Code:A

MSDS Number: CLFNG

=== Responsible Party ===

Company Name:AMERICAN SAFETY TECHNOLOGIES INC

Address:565 EAGLE ROCK AVE

City:ROSELAND

State:NJ

ZIP:07068

Country:US

Info Pho

ne Num:973-403-2600

Emergency Phone Num:1-800-424-9300

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:88444

=== 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

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

Ingred Name:POLYAMIDE/EPOXY ADDUCT

CAS:68424-41-9

Code:F

Minumum % Wt:60.

Maxumum % Wt:80.

Ingred Name:AMIDOAMINE

RESIN
CAS:68443-08-3
Code:F
Minumum % Wt:5.
Maxumum % Wt:10.

Ingred Name:1-METHOXY-2-PROPANOL
CAS:107-98-2
RTECS #:UB7700000
Minumum % Wt:20.
Maxumum % Wt:35.
ACGIH TLV:369 MG/M3;100 PPM
ACGIH STEL:553 MG/M3;150 PPM

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

LD50 LC50 Mixture:NONE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYES: CAUSES SEVERE IRRITATION OR
BURNS. SKIN: CAUSES SEVERE IRRITATION OR BURNS. INHALATION:
MAY
CAUSE UPPER RESPIRATORY TRACT IRRITATION. INGESTION: MAY CAUSE
BURNS OF MOUTH AND THROAT.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, SENSITIZATION AND DERMATITIS.
Medical Cond Aggravated by Exposure:ALLERGY, ECZEMA AND OTHER SKIN
CONDITIONS.

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

First Aid:EYES: FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15
MINUTES. GET MEDICAL ATTENTION.SKIN: 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.

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

Flash Point Method:PMCC
Flash Point:=34.4C, 94.F
Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:1.5
Upper Limits:10.9
Extinguishing Media:DRY CHEMICAL, CHEMICAL FOAM, CARBON DIOXIDE OR
WATER.
Fire

Fighting Procedures:WEAR COMPLETE PERSONAL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS WHERE POTENTIAL FOR EXPOSURE TO VAPORS OR PRODUCTS OF COMBUSTION EXISTS.

Unusual Fire/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 RINSAFE FOR DISPOSAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NONE

Other Precautions:NONE

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF REQUIRED.

Ventilation:EXPLOSION PROOF MECHANICALVENTILATION AND LOCAL EXHAUST RECOMMENDED.

Protective Gloves:IMPE

RVIOUS GLOVES.

Eye Protection:CHEMICAL SPLASH PROOF GOGGLES.

Other Protective Equipment:COVERALLS, APRON AND IMPERVIOUS FOOT COVERING ARE RECOMMENDED.

Work Hygienic Practices:NONE

Supplemental Safety and Health

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

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

Boiling Pt:=120.C, 248.F

Melt/Freeze Pt:M.P/F.P Text:NON

E

Decomp Temp:Decomp Text:NONE

Vapor Pres:12.5MMHG

Vapor Density:3.12

Spec Gravity:0.96

Evaporation Rate & Reference:0.83 (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 OXI

DES OF NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:METHYL ISOBUTYL KETONE: LD50 10 G/KG (DER.

RAB.) LC50 4000 PPM (INHALE.RAT) PROPYLENE GLYCOL: LD50 12G/KG

(DERMAL RAB.) LC50 3000 PPM (INHALE. RAT) TITANIUM DIOXIDE: LD50

10G/KG (DERMAL RABBIT), LC50 6820PPM (INHALE, RAT) XYLENE: LD50

3.9G/KG (DERMAL, RABBIT) LC50 6700PPM (INHALE, RAT) EPOXY RESIN:

LD50 20

.0G/KG (DERMAL, RABBIT)

===== Ecological Information =====

Ecological:EPA WAST NO.: D001

===== 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
BASES OF ITS IGNITABILITY. DISPOSE OF IN A LICENSED HAZARDOUS WASTE
FACILITY IN ACCORDANCE WITH APPLICABLE LAWS.

===== MSDS Transport Inform

ation =====

Transport Information:DOT: PAINT, DOT: FLAMMABLE UN# 1263

===== Regulatory Information =====

SARA Title III Information:ALL INGREDIENTS ARE ON TSCA INVENTORY OR ARE EXEMPT. (SARA, CERCLA, HAPS) TOXIC CHEMICAL SUBJECT TO REPORTING REQUIRMENTS OF SARA AND CERCLA (40 CFR 302, 355, 372) OR HAPS (40 CFR 63)

State Regulatory Information:CALIFORNIA PROPOSITION 65: WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO T
HE STATE OF CALIFORNIA TO
CAUSE CANCER. # CALIF. TITLE 26: 22-12000 (PROP 65). WARNING!
THIS PRODUCT CONTAINS A CH EMICAL KNOWN TO THE STATE OF CALIFORNIA
TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. 1) ALUMINO
SILICATE 2) XYLENE 3) EPOXY RESIN 4) MALAMINE FORMALDEHYDE RESIN

===== Other Information =====

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