

AMERICAN SAFETY TECHNOLOGIES INC -- MS-375, HARDENER -- 8010-01-397-3822

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Product Identification
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Product ID:MS-375, HARDENER
MSDS Date:08/04/1998
FSC:8010
NIIN:01-397-3822
Status Code:A
MSDS Number: CKZDM
=== Responsible Party ===
Company Name:AMERICAN SAFETY TECHNOLOGIES INC
Address:565 EAGLE ROCK AVE
City:ROSELAND
State:NJ
ZIP:07068
Country:US
Info Phone 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
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Composition/Information on Ingredients
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Ingred Name:FATTY ACIDS, C18-UNSATD., DIMERS, POLYMERS WITH
TRIETHYLENETETRAMINE, REACTION PRODUCTS WITH POLY(BISPHENOL A
DIGLYCIDYL ETHER)

CAS:68424-41-9
Minumum % Wt:40.
Maxumum % Wt:60.

Ingred Name:AMIDOAMINE RESIN

CAS:68443-08-3
Code:F
Minumum % Wt:10.
Maxumum % Wt:15.

Ingred Name:1-METHOXY-2-PROPANOL

CAS:107-98-2
RTECS #:UB7700000
Minumum % Wt:10.
Maxumum % Wt:25.
ACGIH TLV:369 MG/M3;100 PPM
ACGIH STEL:553 MG/M3;150 PPM

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Hazards Identification
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N: CAUSES SEVERE IRRITATION OR BURNS. INHALATION: MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE BURNS OF MOUTH AND THROAT.

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: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.

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

Flash Point Method:PMCC

Flash Point:=-38.C, 100.4F

Lower Limits:2.0

Upper Limits:12.0

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

Fire Fighting

Procedures:REMOVE ALL SOURCES OF IGNITION. 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.

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===== 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 ACETIC ACID (5%0 AND COLLECT RINSAFE FOR DISPOSAL.

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

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

Other Precautions:A SAFETY SHOWER AND EYE WASH FACILITY SHOULD BE AVAILABLE TO EMPLOYEES.

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

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

Ventilation:EXPLOSION-PROOF MECHANICAL VENTILATION AND LOCAL EXHAUST RECOMMENDED

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEMICAL SPLASH-PROOF GOGGLES

Other Protective Equipment:IN OPERATIONS WHERE CONTACT MAY OCCUR COVERALLS, APRON AND IMPERVIOUS FOOT COVERING AREA RECOMMENDED

Supplemental Safety and Health

===== Physical/Chemical Properties

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Boiling Pt:=118.C, 244.4F

Vapor Pres:4.3MMHG

Vapor Density:(AIR=1)

Spec Gravity:0.96

Evaporation Rate & Reference:(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 , AND OX

IDES 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)

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Ecological Information
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Ecological:EPA WAST NO.: D001

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Disposal Considerations
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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 ITS IGNITABILITY. DISPOSE OF IN A LICENSED HAZARDOUS WASTE FACILITY IN ACCORDANCE WITH APPLICABLE LAWS.

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

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Regulatory Information
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SARA Title III Information:ALL INGREDIENTS ARE ON TSCA INVENTORY OR ARE EXEMPT. (SARA, CERCLA, HAPS) TOXIC CHEMICAL SUBJECT TO REPORTING REQUIREMENTS 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 THE STATE OF CALIFORNIA TO CAUSE CANCER. # CALIF. TITLE 26: 22-12000 (PROP 65). WARNING! THIS PRODUCT CONTAINS A CHEMICAL 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

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Other Information
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