

AMERICAN SAFETY TECHNOLOGIES INC -- MS-400, MS-440 HARDENER COMPONENT --
8010-01-397-3804

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

Product ID:MS-400, MS-440 HARDENER COMPONENT
MSDS Date:07/14/1998
FSC:8010
NIIN:01-397-3804
Status Code:A
MSDS Number: CLLDY
=== Responsible Party ===
Company Name:AMERICAN SAFETY TECHNOLOGIES INC
Address:565 EAGLE ROCK AVE
City:ROSELAND
State:NJ
ZIP:07068
Country:US
Info P
hone Num:973-403-2600
Emergency Phone Num:1-800-424-9300
Preparer's Name:ERNEST CARTER
Chemtec 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:FATTY AMIDOAMINE RESIN
CAS:68991-84-4
Code:F
Fraction by Wt: >50%VOL

Ingred Name:AMIDOAMINE RESIN
CA

S:68443-08-3

Code:F

Fraction by Wt: 110.C, 230.F

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

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND COMPLETE PERSONAL PROTECTIVE EQUIPMENT 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: ABSORB WITH INERT MATERIAL AND COLLECT FOR DISPOSAL. FLUSH CONTAMINATED AREA WITH DILUTE (5%) ACETIC ACID AND COLLECT RINSAFE FOR DISPOSAL.

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

Handling and Storage Precautions: AVOID ALL PERSONAL CONTACT DO NOT EXCEED 110 F/43C 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.

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

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation: LOCAL EXHAUST RECOMMENDED.

Protective Gloves: IMPERVIOUS RUBBER OR PLASTIC GLOVES.

Eye Protection: CHEMICAL SPLASH PROOF GOGGLES.

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

Supplemental Safety and Health

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

Spec Gravity: .9

Ev

aporation Rate & Reference:(BUTYL ACETATE=1)
Solubility in Water:SLIGHT
Appearance and Odor:YELLOW PASTE, AMMONIACAL 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,
OXIDES OF NITROGEN.

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

Toxicological Information:PROTECTIVE CLOTHING:DEPENDENT UPON APPLICATION METHOD WEAR RESISTANT COVERALLS,GLOVES&SHOE COVERINGS-PREVENT SKIN CONTACT.CONSULT 29 CFR 1910.132, 133, 136, 138; ANSI Z87.1 AN Z41. USE EXPLOSION AND SPARK PROOF EQUIPMENT.
TITANIUM DIOXIDE: LD50 10G/KG (DERMAL RABBIT), LC50 6820PPM (INHALE, RAT) XYLENE: LD50 3.9G/KG (DERMAL, RABBIT) LC50 6700PPM (INHALE, RAT) NAPHTHA: LD50 3.1 G/KG (DERMAL ,RABBIT) LC50 3670 PPM(INHALE, RAT) EPOXY RESIN: LD50 4G/KG (DERMAL, RABBIT)

MANGANESE OXIDE: LD50 0.40 G/KG (DERMAL, RABBIT)

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

Ecological:IMPLEMENT ADMINISTRATIVE AND ENGINEERING CONTROLS TO REDUCE EXPOSURE. PROVIDED SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP AIR CONTAMINANT CONCENTRATIONS BELOW THE TLV LIMITS. REMOVE WELDING OR FLAME CUTTING DECOMPOSITION PRODUCTS, FOLLOW CURRENT ANSI Z49.1, "SAFETY IN WELDING AND CUTTING." REFER TO 29 CFR PARTS 1910 AND 1915. F
OR COATING OPERATIONS; PART 1910.146, CONFINED SPACES. EPA WASTE NO.: D001

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

Waste Disposal Methods:THIS PRODUCT, IF DISPOSED AS SHIPPING, IS NOT A HAZRDOUS WASTE AS SPECIFIED IN 40 CFR 261. CONSULT STATE OR LOCAL OFFICIALS FOR PROPER DISPOSAL METHOD.

===== MSDS Transport Information =====

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

===== Regulator

y Information =====

SARA Title III Information: ALL INGREDIENTS ARE ON TSCA INVENTORY OR ARE EXEMPT. (SARA, CERCLA, HAPS) TOXIC CHEMICAL SUBJECT TO REPORTING REQUIREMENTS OF SAARA 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. WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFOR

NIA T O CAUSE BIRHT DEFECTS OR OTHER REPRODUCTIVE HARM. 1) ALUMINO SILICATE 2) ANTISKID AGGREGATE 3) XYLENE 4) HIGH FLASH NAPHTHA 5) REACTIVE DILUENT

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizin

g this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.