

AMERICAN SAFETY TECHNOLOGIES INC -- PAINT, TRAFFIC & AIRFIELD MARKING --  
8010-01-397-3806

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

Product ID:PAINT, TRAFFIC & AIRFIELD MARKING

MSDS Date:08/04/1998

FSC:8010

NIIN:01-397-3806

Status Code:A

MSDS Number: CKZCS

=== 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

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:SB 20 (EPOXY RESIN)

CAS:25068-38-6

RTECS #:CE6880000

Minumum % Wt:8.

Maxumum % Wt:12.

Ingred Name:ME

THYL N-AMYL KETONE

CAS:110-43-0

RTECS #:MJ5075000

Minumum % Wt:3.

Maxumum % Wt:8.

OSHA PEL:465 MG/M3;100 PPM

ACGIH TLV:233 MG/M3;50 PPM

Ingred Name:LIGHT AROMATIC SOLVENT NAPHTHA (PETROLEUM)

CAS:64742-95-6

RTECS #:WF3400000

&lt; Wt:4.

Ingred Name:CALCIUM METASILICATE

CAS:13983-17-0

Code:F

RTECS #:ZC9750000

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:ALUMINO SILICATE MINERAL

CAS:37244-96-5

Code:F

Minumum % Wt:10.

Maxumum % Wt:25.

Ingred Name:1-METHOXY-2-PROPANOL

CAS:107-98-2

RTECS #:UB770000

0

&lt; Wt:4.

ACGIH TLV:369 MG/M3;100 PPM

ACGIH STEL:553 MG/M3;150 PPM

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

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

Health Hazards Acute and Chronic:EYES: IRRITANT, AGGREGATE MAY CAUSE INJURY. SKIN: MAY CAUSE MODERATE IRRITATION AND SENSITIZATION INHALATION: VAPORS MAY CAUSE HEADACHES, NAUSEA, DIZZINESS AND RESPIRATORY IRRIATATION. INGESTION: NO S PECIFIC INFORMATION AVAILABLE. CONTAINS MATERIALS TH

AT MAY BE SLIGHTLY TOXIC.

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 FOER 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 BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION. INGETSION: DO NOT INDUCE VOMITING ( CONTAINS SOLVENT). GET MEDICAL ATTENTION.

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

Flash Point Method:CALC

Flash Point:=-38.C, 100.4F

Lower Limits:1.6

Upper Limits:11.8

Extinguishing Media:DRY CHEMICAL OR CHEMICAL FOAM

Fire Fighting Procedures:REMOVE ALL IGNITION SOURCES. WEAR COMPLETE PERSONAL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPAR

ATUS WHERE POTENTIAL FOR EXPOSURE TO VAPORS OR PRODUCTS OF COMBUSTION EXISTS.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY RUPTURE (DUE TO BUILD UP OF PRESSURE) WHEN EXPOSED TO EXTREME HEAT. DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. DIKE SPILL. ABSORB WITH INERT MATERIAL AND COLLECT FOR DISPOSAL.

=====  
Handling and Storag  
e  
=====

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.

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

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

Ventilation:EXPLOSIO

N-PROOF MECHANICAL VENTILATION AND LOCAL EXHAUST  
ARE 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 ARE RECOMMENDED

Supplemental Safety and Health

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

Boiling Pt.=116.C, 240.8F

Vapor Pres:8MMHG @ 68 F/20 C

Vapor Density:3.1 (AIR=1

Spec Gravity:2.1

Evaporation Rate &a

mp; Reference:0.5 (BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:PIGMENTED VICOUS PASTE, MILD 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  
ALDEHYDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR

===== 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 R

ESIN: 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  
WELDIN G OR FLAME CUTTING DECOMPOSITION PRODUCTS, FOLLOW CURRENT  
ANSI Z49.1, "SAFETY IN WELDING AND CUTTING." REFER T

O 29 CFR PARTS

1910 AND 1915. FOR COATING OPERATIONS; PART 1910.146, CONFINED SPACES. EPA WASTE 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 BASIS OF ITS IGNITABILITY. DISPOSE OF IN LICENSED HAZARDOUS WASTE FACILITY IN ACCOURDANC E WITH APPLICBLE LAWS.

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

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

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

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