

# MATERIAL SAFETY DATA SHEET

## MS-11CZ LT BASE COMPONENT

Document #

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### SECTION 1: PRODUCT IDENTIFICATION AND USE

**MFG'S NAME: ITW AMERICAN SAFETY TECHNOLOGIES**

565 Eagle Rock Ave.  
Roseland, New Jersey 07068  
(973) 403-2600

**TRADE NAME: MS-11CZ LT  
TYPE: BASE COMPONENT**

**CHEMICAL FAMILY: EPOXY**

Dot Shipping Classification (49CFR 172.101): Paint,3,UN1263,III  
Transportation Emergency Number (CHEMTREC): 1-800-424-9300  
Mfg's Dunn's No: 002-171-213

**HMIS RATING:**  
**Health =2**  
**Flammability =2**  
**Reactivity =0**

**COMMER'L & GOV'T ENTITY (CAGE) CODE:**

**NATIONAL STOCK NO:**      **SPEC:** (Type, Grade, or Class)  
MIL-PRF-24667B (Navy)

**PREPARED BY:** J. Farrell

**DATE:** 01-24-05

**REVISION:**

### SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS	CAS No	% WT.	OSHA	ACGIH
Epoxy Resin	25068-38-6	20-30%	N.E.	N.E.
Polyglycol Epoxy Resin	41638-13-5	1-5%	N.E.	N.E.
Acrylic	*Secret	1-5%	N.E.	N.E.
Barium Sulfate	7727-43-7	5-10%	15 mg/m3	10 mg/m3
Calcium Metasilicate	13983-17-0	1-5%	5 mg/m3	3 mg/m3
Titanium Dioxide	13463-67-7	5-10%	15 mg/m3	10 mg/m3
Anhydrous Alumino Silicate	37244-96-5	5-10%	5 mg/m3	N.E.
Inorganic Metal Oxides	*Secret	5-10%	10mg/m3 dust	10mg/m3 dust
Calcium Magnesium Silicate	14807-96-6	5-10%	2mg/m3 dust	2mg/m3 dust
Aromatic Naphtha	64742-95-6	1-2%	50 ppm	50 ppm
Methyl N-Amyl Ketone	110-43-0	1-2%	100ppmTWA	50ppmTWA
1-Methoxy-2-Propanol	107-98-2	1-5%	100 ppm	100 ppm

(N.E. = Not Established)

**SECTION 313 SUPPLIER INFORMATION:** THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THIS INFORMATION MUST BE INCLUDED ON THE MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

**Chemical Name**

**CAS Number**

**Weight %**

None

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## SECTION 3: PHYSICAL DATA

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**BOILING POINT:** N.E..  
**VAPOR PRESSURE:** N.E.  
**VAPOR DENSITY:** N.E.  
**SOLUBILITY IN WATER:** Slight  
**APPEARANCE AND ODOR:** Pigmented Viscous Liquid, Mild Odor.

**SPECIFIC GRAVITY:** 1.67  
**MELTING POINT:** N.E.  
**EVAPORATION RATE:** N.E.

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## SECTION 4: FIRE AND EXPLOSION HAZARD

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**FLASH POINT:** >102°F/>38.9°C

**FLAMMABLE LIMITS:** LEL UEL  
N.A. N.A.

**EXTINGUISHING MEDIA:** Dry Chemical and Chemical Foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment where potential for exposure to vapors or products of combustion exists.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Decomposition and combustion products may be toxic.

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## SECTION 5: HEALTH HAZARD DATA

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**PRIMARY ROUTES OF ENTRY:** Inhalation/Skin/Ingestion

### HEALTH HAZARDS (ACUTE AND CHRONIC)

**Eyes:** May cause irritation.  
**Skin:** May cause moderate irritation and sensitization.  
**Inhalation:** This material does not normally present an inhalation hazard, in applications where vapors (caused by high temperatures) or mists are created. Breathing may cause a mild burning sensation in the nose, throat, and lungs.  
**Ingestion:** No specific information available. Contains materials that may be slightly toxic.

**CONDITIONS AGGRAVATED BY EXPOSURE:** Allergy, eczema and other skin conditions.

**CARCINOGENIC DATA:** Not on NTP, IARC or OSHA Lists.

**OVEREXPOSURE EFFECTS:** Irritation, sensitization and dermatitis.

### EMERGENCY AND FIRST AID PROCEDURES:

**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 for 15 minutes.  
**Inhalation:** Remove to fresh air. If breathing has stopped administer artificial respiration and seek medical attention.  
**Ingestion:** Do not induce vomiting. Give victim 3 to 4 glasses of water. Seek medical attention.

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## SECTION 6: REACTIVITY DATA

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Excessive Heat

**INCOMPATIBILITY (Materials to Avoid):** Strong Oxidizing Agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide and other.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## SECTION 7: SPILL OR LEAK PROCEDURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate all ignition sources. Dike Spill. Absorb with inert material and collect for disposal. Flush contaminated area with water; prevent washings from entering waterways.

**WASTE DISPOSAL METHODS:** This product, if disposed as shipped, would not be a hazardous waste by RCRA criteria (40 CFR 261). Dispose in an appropriate disposal facility in compliance with local regulations.

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## SECTION 8: SPECIAL PROTECTION INFORMATION

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**RESPIRATORY PROTECTION:** No respiratory protection is ordinarily required under normal conditions of use. A NIOSH/MSHA approved respirator with organic vapor cartridge may be used in areas where material is being sprayed or in mist form.

**VENTILATION:** No exposure controls are ordinarily required under normal conditions of use.

**PROTECTIVE GLOVES:** Impervious gloves.

**EYE PROTECTION:** Chemical splash-proof goggles, if liquid contact is likely, or safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** In operations where contact may occur, coveralls, apron and impervious foot covering are recommended.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid all personal contact. Do not exceed 110°F/43°C in storage area. Store in a cool place, dry place with adequate ventilation. Keep away from flames and high temperatures.

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## SECTION 9: SPECIAL / OTHER INSTRUCTIONS

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- \* A safety shower and eye wash facility should be available to employees.
- \* Contaminated clothing should be removed immediately and thoroughly laundered before reuse.



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## SECTION 5: HEALTH HAZARD DATA

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**PRIMARY ROUTES OF ENTRY:** Inhalation/Skin/Ingestion

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Eyes: May cause irritation.  
Skin: Can cause skin irritation.  
Inhalation: May cause nose and throat irritation.  
Ingestion: Swallowing large amounts may be harmful.

**CONDITIONS AGGRAVATED BY EXPOSURE:** Allergy, eczema and other skin conditions.

**CARCINOGENIC DATA:** Not on NTP, IARC or OSHA Lists.

**OVEREXPOSURE EFFECTS:** Irritation, sensitization and dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES:**

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 for 15 minutes.  
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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## SECTION 6: REACTIVITY DATA

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Excessive Heat

**INCOMPATIBILITY (Materials to Avoid):** Strong Oxidizing Agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Monoxide, Carbon Dioxide, and Oxides of Nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## SECTION 7: SPILL OR LEAK PROCEDURES

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Dike Spill. Absorb with inert material and collect for disposal.

**WASTE DISPOSAL METHODS:** This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261. Consult State or local officials for proper disposal method.

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## SECTION 8: SPECIAL PROTECTION INFORMATION

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**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirator with organic vapor cartridge if required.

**VENTILATION:** Local exhaust recommended. Mechanical ventilation is not recommended as the sole means of controlling employee exposure.

**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.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** 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.

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## SECTION 9: SPECIAL / OTHER INSTRUCTIONS

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- \* A safety shower and eye wash facility should be available to employees.
- \* Immediately remove and thoroughly launder contaminated clothing before reuse.