

MATERIAL SAFETY DATA SHEET
SC-100 BASE COMPONENT

Document #3290

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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: SC-100
BASE COMPONENT**

CHEMICAL FAMILY: EPOXY

DOT SHIPPING CLASSIFICATION: (Not Regulated)
TRANSPORTATION EMERGENCY NO. (CHEMTREC): 1-800-424-9300
MFG'S DUNN'S NO: 002-171-213

HMIS RATING:
Health =2
Flammability =1
Reactivity =0

PREPARED BY: J. Hermele

DATE: 12/11/00

REVISION: 3

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| INGREDIENTS | CAS NO. | % WT. OSHA | ACGIH | OTHER |
|---|----------------|-------------------|--------------|--------------------|
| Bisphenol-A Diglycidyl Ether | 25068-38-6 | 75-100% N.E. | N.E. | LD50RAT>5g/kg Oral |
| Epichlorhydrin Polyglycol Reaction Product | 41638-13-5 | 10-25% N.E. | N.E. | LD50RAT>4g/kg Oral |

(N.E. = Not Established)

SECTION 313 SUPPLIER INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC 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.

| <u>CHEMICAL NAME</u> | <u>CAS NUMBER</u> | <u>WEIGHT %</u> |
|----------------------|-------------------|-----------------|
| None | | |

SECTION 3: PHYSICAL DATA

| | |
|---|--|
| BOILING POINT: > 300°F/149°C | SPECIFIC GRAVITY: 1.1 |
| VAPOR PRESSURE: < 1.0mmHg @ 68°F/20°C | MELTING POINT: N.E. |
| VAPOR DENSITY: N.E. (AIR = 1) | EVAPORATION RATE: < 1.0 (Butyl Acetate = 1) |
| SOLUBILITY IN WATER: Insoluble | |
| APPEARANCE AND ODOR: Clear Liquid, Mild Odor | |

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT: > 200°F/93°C PMCC

FLAMMABLE LIMITS: LEL UEL
N.E. N.E.

EXTINGUISHING MEDIA: Chemical foam or chemical for small fires; aqueous foam or water for large fires.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and complete personal protective equipment where potential for exposure to vapors of 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

PRIMARY ROUTES OF ENTRY: Inhalation/Skin/Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eyes: May cause temporary eye injury.
Skin: May cause irritation and sensitization. May cause allergic skin reaction which can be severe in certain Individuals.
Inhalation: Vapors may cause headaches, nausea, dizziness, and respiratory tract infection..
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 and get medical attention.
Skin: Remove contaminated clothing and wash contact area with mild soap and water. If irritation develops or persists, get medical attention.
Inhalation: Remove to fresh air. If breathing has stopped, administer artificial respiration and get medical attention.
Ingestion: If conscious, give large quantities of water to dilute and induce vomiting. Get medical attention.

SECTION 6: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excessive Heat

INCOMPATIBILITY (Materials to Avoid): Strong Oxidizing Agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Hydrogen Chloride.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 7: SPILL OR LEAK PROCEDURES

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

WASTE DISPOSAL METHODS: Dispose of in accordance with Federal, State and Local Regulations.

SECTION 8: SPECIAL PROTECTION INFORMATION

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

VENTILATION: Mechanical ventilation and local exhaust are recommended. Mechanical exhaust is not recommended as the sole means of controlling employee exposure.

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.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid all personal contact. Do not exceed 100°F/43°C in storage area.

SECTION 9: SPECIAL / OTHER INSTRUCTIONS

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

SC-100 HARDENER COMPONENT

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SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation/Skin Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eyes: Causes burns and severe irritation.
Skin: Causes burns. May be absorbed through skin in harmful amounts.
Inhalation: Contains material that is toxic by ingestion. Causes damage to mucous membranes.
Ingestion: Causes respiratory tract irritation, headaches, dizziness, nausea, and vomiting.

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 and wash contact area with mild soap and water. If swelling or reddening occurs, get medical attention.
Inhalation: Remove to fresh air. If breathing has stopped, administer artificial respiration. Get medical attention.
Ingestion: Do not induce vomiting. If conscious, give large quantities of milk or water to dilute. Get medical attention.

SECTION 6: REACTIVITY DATA

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.

SECTION 7: SPILL OR LEAK PROCEDURES

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

WASTE DISPOSAL METHODS: Comply with all Federal, State, and local regulations. Incineration is acceptable as the preferred method of disposal. However, nitrogen oxide emission controls may be required to meet specifications. Chemical and/or biological degradation is feasible. A suitable industrial or waste treatment system can be used depending on the quality and quantity of waste treated, plant capability, and discharge water quality standards. Dispose of in an approved landfill if allowed locally.

SECTION 8: SPECIAL PROTECTION INFORMATION

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

VENTILATION: Mechanical ventilation and local exhaust are recommended. Mechanical exhaust is not recommended as the sole means of controlling employee exposure.

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.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid all personal contact. Do not exceed 110°F/43°C in storage area.

SECTION 9: SPECIAL / OTHER INSTRUCTIONS

* A safety shower and eye wash facility should be available to employees.

* Immediately remove and thoroughly launder contaminated clothing before reuse.