

MATERIAL SAFETY DATA SHEET

GC-100 BASE COMPONENT

Document # 3050

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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: GC-100
BASE COMPONENT

CHEMICAL FAMILY: EPOXY

DOT SHIPPING CLASSIFICATION: Paint (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: 12/6/00

REVISION: 3

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS	CAS NO.	% WT.	OSHA	ACGIH	OTHER
Bisphenol-A Digidyl Ether	25068-38-6	75-100%	N.E.	N.E.	LD50RAT>5g/kgOral
Glass Oxide	65997-17-3	10-25%	15mg/m3 dust	10mg/m3 dust	

(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: 1.25
VAPOR PRESSURE: < 1.0mmHg @ 68°F/20°C	MELTING POINT: N.A.
VAPOR DENSITY: N.A. (AIR = 1)	EVAPORATION RATE: < 1.0 (Butyl Acetate = 1)
SOLUBILITY IN WATER: Insoluble	
APPEARANCE AND ODOR: Viscous Liquid, Mild Odor (N.A. = Not Applicable)	

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT: > 200°F/93°C PMCC

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

EXTINGUISHING MEDIA: Carbon Dioxide, Chemical Foam, Dry Chemical or Water Spray.

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: Decomposition and combustion products may be toxic.

SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation/Skin/Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC)

- Eyes: Causes irritation and temporary injury.
- Skin: Causes moderate irritation, sensitization and dermatitis.
- Inhalation: Can cause respiratory tract irritation , headaches, dizziness, and nausea.
- 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.
- 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 and Carbon Dioxide.

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 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.

MATERIAL SAFETY DATA SHEET
GC-100 HARDENER COMPONENT

Document #3051

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SECTION 1: PRODUCT IDENTIFICATION AND USE

MFG'S NAME: AMERICAN SAFETY TECHNOLOGIES INC.
565 Eagle Rock Ave.
Roseland, New Jersey 07068
(973) 403-2600

**TRADE NAME: GC-100
HARDENER COMPONENT**

CHEMICAL FAMILY: Amine Compound

DOT SHIPPING CLASSIFICATION: Paint,8,UN3066,III
TRANSPORTATION EMERGENCY NO. (CHEMTREC): 1-800-424-9300 HMIS RATING
MFG'S DUNN'S NO: 002-171-213

Health =3
Flammability =1
Reactivity =1

PREPARED BY: J. Hermele

DATE: 12/6/00

REVISION: 3

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS	CAS NO.	% WT.	OSHA	ACGIH	OTHER
Modified Cycloaliphatic Polyamine	2855-13-2	<50%	N.E.	N.E.	LD50RAT>2.37g/Kg Oral
Benzyl Alcohol	100-51-6	>50%	N.E.	N.E.	

(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>% WT.</u>
None		

SECTION 3: PHYSICAL DATA

BOILING POINT: N.E.	SPECIFIC GRAVITY: 1.0
VAPOR PRESSURE: N.E.	MELTING POINT: N.E.
VAPOR DENSITY: N.E. (AIR = 1)	EVAPORATION RATE: <1.0 (Butyl Acetate = 1)
SOLUBILITY IN WATER: Soluble	APPEARANCE AND ODOR: Clear Liquid, Amine Odor

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT: >200°F/93°C PMCC

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

METHOD USED: TCC

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

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained 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.

GC-100 HARDENER COMPONENT

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SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation/skin/Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eye: May cause temporary eye injury.

Skin: May cause irritation and sensitization. May cause allergic skin reaction which can be severe in certain individuals.

Ingestion: No specific information available. Contains materials that may be slightly toxic.

Inhalation: Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

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

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

OVEREXPOSURE EFFECTS: Irritation, sensitization and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush with large volumes of water for at least 15 minutes. Consult physician.

Skin Contact: Remove contaminated clothing. Wash affected area with soap and water.

Inhalation: Remove to fresh air. If breathing has stopped administer artificial respiration and seek medical attention.

Ingestion: If conscious, give large quantities of water 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 Aldehydes.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 7: SPILL OR LEAK PROCEDURES

SPILLS: Dike Spill. Absorb with inert material and collect for disposal. Flush area with water; prevent washings from entering waterways.

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 corrosivity. Dispose of in a licensed hazardous waste facility in accordance with applicable laws.

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

SECTION 9: SPECIAL PRECAUTIONS

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

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

* Immediately remove and thoroughly launder contaminated clothing before reuse.