

MATERIAL SAFETY DATA SHEET
BC-100/ BC-80 BASE COMPONENT

Document # 3000

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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: BC-100/ BC-80
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: 04/23/01

REVISION: 4

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS	CAS NO.	% WT.	OSHA	ACGIH	OTHER
Epoxy Resin	25068-38-6	70-100%	N.E.	N.E.	LD50RAT >5g/kg (Oral)
Aliphatic Monoglycidyl Ether	68609-97-2	0-30%	N.E.	N.E.	LD50RAT >17g/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.A.
VAPOR DENSITY: N.A. (AIR = 1)	EVAPORATION RATE: < 1.0 (Butyl Acetate = 1)
SOLUBILITY IN WATER: Insoluble	
APPEARANCE AND ODOR: Clear 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.

BC-100/ BC-80 BASE COMPONENT

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SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation/Skin/Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eyes: May cause irritation.
Skin: May cause irritation. May cause allergic skin reaction which can be severe in certain individuals.
Inhalation: May cause nose and throat irritation.
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. Give oxygen if breathing is difficult.
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

BC-100/ BC-80 HARDENER COMPONENT

Document #3002

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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: BC-100/ BC-80
HARDENER COMPONENT

CHEMICAL FAMILY: Amine Compound

DOT SHIPPING CLASSIFICATION (49 CFR 172.101): Paint,8,UN3066,III
TRANSPORTATION EMERGENCY NO. (CHEMTREC): 1-800-424-9300
MFG'S DUNN'S NO: 002-171-213

HMIS RATING:
HEALTH =3
FLAMMABILITY=1
REACTIVITY =1

PREPARED BY: J. Hermele

DATE: 04/23/01

REVISION: 4

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

INGREDIENTS	CAS NO.	% WT.	OSHA	ACGIH
Polyethylene Polyamine Adduct	68951-85-9	20-25%	N.E.	N.E.
Polyamide Resin	68410-23-1	30-40%	N.E.	N.E.
Propylene Glycol Monoethyl Ether	1569-02-4	30-35%	N.E.	N.E.
Bisphenol-A	80-05-7	<3%	N.E.	N.E.
Diethylene Triamine	111-40-0	2-3%	1ppmTWA	1ppmTWA

(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>
Bisphenol-A	80-05-7	<3.0%

SECTION 3: PHYSICAL DATA

BOILING POINT: > 260°F/127°F
VAPOR PRESSURE: < 2mmHg @ 68°F/20°C
VAPOR DENSITY: N.A. (AIR = 1)
SOLUBILITY IN WATER: Partially Soluble
APPEARANCE AND ODOR: Clear Amber Liquid, Amine Odor

SPECIFIC GRAVITY: 0.94
MELTING POINT: N.A.
EVAPORATION RATE: <1.0 (Butyl Acetate = 1)

(N.A. = Not Applicable)

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT: > 108°F/42°C SETA

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

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

SPECIAL FIRE FIGHTING PROCEDURES: Remove all sources of ignition. 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: Containers may rupture (due to build-up of pressure) when exposed to extreme heat. Decomposition and combustion products may be toxic.

BC-100/ BC-80 HARDENER COMPONENT

SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation/Skin Ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC)

Eyes: Causes burns: Damage may be irreversible.
Skin: Causes irritation and burns. May cause allergic skin reaction which can be severe in certain individuals. May be absorbed in harmful amounts.
Inhalation: May cause allergic respiratory reaction, headaches, dizziness, and nausea.
Ingestion: No specific information available. Contains material that may be 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 and wash contact area with mild soap and water. Get medical attention.
Inhalation: Remove to fresh air. If symptoms persist, consult a physician.
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: Eliminate all sources of ignition. Dike Spill. Absorb with inert material and collect for disposal. Flush 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: Explosion-proof 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. Ground and bond metal containers for liquid transfer to avoid static sparks.

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.