

UNITED RESIN CORPORATION

100731

MATERIAL SAFETY DATA SHEET

Manufacturer's Name and Address:

*United Resin Corporation
4359 Normandy Court
Royal Oak, MI 48073*

Emergency No.

(810) 549-8200
D.U.N.S. No.
050-204-9293

HEALTH HAZARDS:

DATE ISSUED: 9/25/95

HEALTH: 2
FIRE: 1
REACTIVITY: 0
FLASH POINT: >200°F

METHOD USED: Setaflash

PRODUCT NAME
E-CAST F-82

COMMON CODE:

HAZARD MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS:

Plastic Material - Liquid NOIBN Not Restricted

CHEMICAL FAMILY
Epoxy resin - Modified

FORMULA
Proprietary

HAZARDOUS INGREDIENTS

CAS #	% (optional)	CHEMICAL NAMES	TLV/PEL
25068-38-6	---	Epoxy Resin	---

KEY: --- LIMITS HAVE NOT BEEN ESTABLISHED

PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	NAV
Vapor Pressure:	<1 mm Hg @ 20°C
Vapor Density (air=1)	>1
Solubility in water:	Practically insoluble
Specific gravity (H ₂ O=1)	1.104
Percent volatile by volume (%):	0%
Evaporation rate: (=1):	UI
Percent solid by weight (%):	100%
Appearance and odor:	Light yellow liquid with a mild odor

Analytical: 9.20 lbs/gal

FIRE AND EXPLOSION DATA

Flammable Limits:	LEL Not Established UEL Not established
Extinguishing Media:	Water, fog, foam, dry chemical, CO ₂
Special Fire Fighting Procedures:	Do not enter confined fire space without full protective gear including a positive pressure, self-contained, NIOSH approved breathing apparatus. Cool fire exposed container with water.
Unusual Fire and Explosion Hazard:	Container areas exposed to intense heat or flame should be cooled with H ₂ O to prevent pressure build-up and/or weakening of container structure.

REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Avoid high temperatures, open flames and unscheduled contact with curing agents.
Incompatibility: (Materials to Avoid)	Incompatible with strong oxidizing agents, strong acids and bases, secondary aliphatic amines and mercaptans.
Hazardous Decomposition Products:	Carbon dioxide (CO ₂) Carbon Monoxide (CO), aldehydes, acids and other organic substances may be formed during high temperature degradation.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid mixing resin and hardener in uncontrollable quantities.

HEALTH HAZARD DATA

Chemical Listed as Carcinogen or Potential Carcinogen in NTP, IARC or OSHA 1910(Z)

This material is neither carcinogenic or potentially carcinogenic.

EFFECTS OF OVEREXPOSURE

Skin Contact: Product could be moderately irritating to skin. May cause allergic skin reaction in susceptible individuals. Avoid direct skin contact when using this material.

Eye Contact: Product could be moderately irritating to the eyes. Avoid touching eyes when using this material.

Inhalation: Because of its low volatility this product is not likely to be an inhalation hazard.

Ingestion: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

Primary Routes of Entry:

Inhalation: **Skin Contact** **Other (Specify)**

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove victim to fresh air.

Eyes: Flush eyes with generous amounts of water for a least 15 minutes. **GET MEDICAL ATTENTION** if it appears necessary.

Skin: Wash thoroughly with soap and water.

Ingestion: In general, no treatment is necessary unless large quantities of product are ingested.

OCCUPATIONAL EXPOSURE LIMITS

OSHA Permissible Exposure Limit: OSHA limits have not been established for this product.

ACGIH Threshold Limit Value: ACGIH limits have not been established for this product.

SPECIAL PROTECTION INFORMATION

Respiratory Protection:	No respiratory protection should be needed.
Ventilation:	Local exhaust is recommended. Mechanical exhaust can be used as a back up system.
Protective Gloves:	Chemical resistant gloves such as PVA.
Eye Protection:	NIOSH approved safety glasses or goggles with side shields.
Other Protective Clothing or Equipment:	Chemical resistant clothing as required to minimize skin contact.

SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Use cautious judgment when cleaning spills. Small spills may be collected with absorbent material, such as clay or sand. Large spills should be diked and contained with absorbent materials. Flush area with water spray to remove residue. Dispose of flush legally.
Waste Disposal Methods:	Dispose in accordance with local, state and federal regulations.

SPECIAL PRECAUTIONS

Precaution to be Taken in Handling and Storage:	Store at ambient temperatures in well ventilated area. Avoid sparks, open flames and extreme heat. Store separately from amine curing agents. Protect container from physical damage.
Other Precautions:	Container, even those that have been emptied, can contain product residues. Handle in accordance with good industrial practices. Avoid prolonged or repeated contact with skin. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminate clothing before use.

KEY --- Limits have not been established

NA - Not Applicable

UI - Unavailable Information

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