



001-CF FAST Part A | SAFETY DATA SHEET (SDS)

SECTION 1 – IDENTIFICATION

Product identifier:	001-CF FAST Part A
Other means of identification:	None
Recommended use and restrictions on use	Epoxy Resin, Crack Filler Fast Cure

Allsource Supply Inc.
2752 Vinland Street
Oshkosh, WI 54901
Phone: 833-663-4255
www.allsourcesupplyinc.com
Info@allsourcesupplyinc.com

INFOTRAC Customer ID:111088
Emergency Phone: 800-535-5035

NOTE: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

SECTION 2 – HAZARDS IDENTIFICATION

SGH CLASSIFICATION

Skin irritation (category 2)
Eye irritation (category 2A)
Skin sensitization (category 1)
Acute toxicity inhalation (Category 4)
Respiratory sensitization (category 1)
Specific target organ toxicity – Single exposure (Category 3)
Hazardous to the aquatic environment - Chronic (Category 3)

GHS LABEL ELEMENTS

SIGNAL WORDS:

SYMBOLS:



WARNING

HAZARD STATEMENTS

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)

- H303** May be harmful if swallowed
- H315** Causes skin irritation
- H317** May cause an allergic skin reaction.
- H319** Causes serious eye irritation
- H401** Toxic to aquatic life
- H411** Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

- P261** Avoid breathing dust/fume/gas/mist/vapors/spray
- P264** Wash with plenty of water and soap thoroughly after handling
- P272** Contaminated work clothing should not be allowed out of the workplace
- P280** Wear protective gloves/eye protection
- P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
- P337 + P313** If eye irritation persists; Get medical advice/attention.
- P302 + P352** IF ON SKIN: Wash with plenty of water.
- P333 + P313** If skin irritation or rash occurs: Get medical advice/attention.
- P312** IF SWALLOWED: Call a POISON Center/doctor...if you feel unwell.
- P362 + P364** Take off contaminated clothing and wash before reuse.
- P391** Collect spillage
- P501** Dispose of contents/container into safe container in accordance with local regional Or national regulations.

OTHER HAZARDS KNOWN None Known

GHS SPECIAL LABELING EUH205 Contains epoxy constituents. See information supplied by the manufacturer

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
Reaction product: Bisphenol-A-(epichlorhydrin) epoxy resin	25085-99-8	60-100%
Alkyl glycidyl ether	68609-97-2	1-10%
Benzy alcohol	100-51-6	1-10%

All ingredients are listed according to OSHA (29 CFR)

Statement: This safety data sheet provides concentration ranges instead of the actual concentrations considered trade secrets.

SECTION 4 - FIRST AID MEASURES

Ingestion IF SWALLOWED: Call a POISON Center/doctor/...if you feel unwell.

Skin contact IF ON SKIN: wash with plenty of water (15-20 minutes). IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Eye contact IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing.

Most important symptoms and effects (acute and delayed) Prolonged or repeated contact may cause skin irritation

With local redness. May cause eye irritation. Corneal injury is unlikely. Has caused allergic skin reactions in humans.

Causes severe skin, respiratory or digestive tract burns and eye damage.

Indication of immediate medical attention/special treatment

Provide general supportive measures and treat symptomatically.

General Information If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice

(show the label where possible). Ensure the medical personnel are aware of the

material(s)

Involved, and take precautions to protect themselves. Show this safety data sheet to the Doctor in attendance.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing Media Suitable extinguishing media: In case of Fire: Water fog. Dry chemical powder. Carbon dioxide (CO₂)

Specific hazards arising from the chemical During fire, smoke may contain the original material in addition to combustible products of varying composition which may be toxic and/or irritating.

Special Protective actions for fire-fighters Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. Avoid contact with this material during fire-fighting operations. If contact is likely, change to full chemical resistant fire-fighting clothing with self-contained breathing Apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary and unprotected personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see (See Section 8) of the SDS.

Environmental Precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, See Section 13.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink, or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid use of electric band heaters. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in cool and dry, under well-ventilated conditions. Store away from incompatible materials (see Section 10 of the SDS). Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters (biological limit values or exposure limit values and source of those values)

Exposure limits:

CAS 25085-99-8 For Workers: Acute – systemic effects
Dermal 8.330 mg/kg bw/day Inhalation 12.25 mg/m³

For Workers: Long-term – systemic effects
Dermal 3.571 mg/kg bw/day Inhalation 0.75 mg/m³

For Consumers: Long-term – systemic effects
Dermal 3.571 mg/kg bw/day Inhalation 0.75 mg/m³

CAS 68609-97-2 No exposed limits noted for the ingredient(s)

CAS 100-51-6 No exposure limits noted for the ingredient(s)

Appropriate engineering controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines

Individual protection measures/personal protective equipment

Wear a NIOSH – certified (or equivalent) organic vapor/particulate respirator. Wear appropriate chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists. Wear appropriate personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eyewash fountains and safety showers are recommended in the work area.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / color	Past, creamy white color
Vapor pressure	Not available
Odor	Odorless to mild
Vapor density	Not available
Odor threshold	Not available
Relative density, Specific gravity	1.160 (g/ml)
pH	Not available
Solubility	Not available
Melting point / Freezing point	Not available
Partition coefficient of n-octanol/water	Not available
Initial boiling point/ranges	Not available
Auto-ignition temperature	Not available
Flash point	> 199.4°F (100°C)

Decomposition temperature	Not available
Evaporation rate	Not available
Viscosity	110,000-120,000 cps
Flammability (solid, gas)	Not available
Upper/Lower flammability or explosive limits	Not available
Molecular Weight	Not available
VOC	47.9 g/L
Other	None known

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical Stability	Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions	This product will polymerize if mixed with an amine. Considerable heat can evolve.
Conditions to avoid	Avoid temperatures exceeding the flash point. Avoid unintended contact with amines.
Incompatible materials	Strong oxidizers, strong alkalis, strong mineral acids, amines.
Hazardous decomposition products	None known

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	May be harmful if swallowed. May cause skin irritation. May cause an allergic skin reaction. May cause eye irritation
Symptoms related to the physical, chemical and toxicological characteristics	High airborne concentrations of vapors may cause irritation of the respiratory tract and mucous membranes. Symptoms may include stinging, itching, tearing, redness, swelling, and Blurred vision.
Delayed and immediate effects (chronic effects from short-term and Long-term exposure)	Skin Sensitization Possible; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity - No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available Toxicity — Single Exposure – No data available Toxicity — Repeated Exposure – No data available Aspiration Hazard – No data available

Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)

CAS 25085-99-8 LD₅₀ Oral – Rat >15000 mg/kg
 LD₅₀ Dermal – Rabbit 23000 mg/kg
 CAS 68609-97-2 LD₅₀ Oral – Rat 17100 mg/kg
 LD₅₀ Dermal – Rabbit >4.5 mL/kg
 CAS 100-51-6 LD₅₀ Oral – Rat 1360 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information) Hazardous to the aquatic environment

Product	Species	Result
CAS 25085-99-8	LC ₅₀ Oncorhynchus mykiss (rainbow trout)	2 mg/l-96 h
	EC ₅₀ Daphnia magna (Water flea)	1.8 mg/l – 48h
CAS 68609-97-2	LC ₅₀ Fish	>1800 mg/l -96 h
	LC ₅₀ Fish	>5000 mg/l – 48h
	EC ₅₀ Invertebrates	6.07-7.5 mg/l – 48 h
CAS 100-51-6	LC ₅₀ Pimephales promelas (fathead minnow)	460 mg/l – 96 h
	LC ₅₀ Lepomos macrochirus (bluegill)	10 mg/l – 96h
	LC ₅₀ Menidia peninsulae (silverside minnow)	32 mg/l – 96 h

Persistence and degradability	Not enough data available
Bioaccumulative potential	Bioconcentration potential is moderate
Mobility in soil	Low potential for mobility in soil
Other adverse effects	No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

SECTION 14 - TRANSPORT INFORMATION

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:
 UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (bisphenol-A-
 (epichlorhydrin) epoxy resin(; CLASS 9; PGIII
 UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):
 UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (bisphenol-A-
 (epichlorhydrin) epoxy resin(; CLASS 9; PGIII
 UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):
 UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (bisphenol-A-

(epichlorhydrin) epoxy resin(; CLASS 9; PGIII

Special Precautions (transport/conveyance): May also be shipped as a LIMITED QUANTITY in accordance with TDG.

Environmental hazards (IMDG or other): Marine Pollutant

Bulk transport (usually more than 450L in capacity): Possible

SECTION 15 - REGULATORY INFORMATION

Safety/health Canadian Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous regulations specifics Products Regulations (HPR).

Environmental Canadian regulations specifics Refer to Section 3 for ingredient(s) of the DSL

Safety/health/environmental None

Outside regulations specifics None

SECTION 16 – OTHER INFORMATION

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