Fast Set Epoxy

8332

Provides 2300 psi bonding strength to paper, wood, metal, and ceramics. Conveniently packaged in a 25 ml dual syringe with a twist off cap for easy mixing. It gives good resistance to water, salt spray, inorganic acids and bases, and most organic solvents.

- Easy 1:1 mixing ratio
- Fast setting (5 minutes)
- 2300 psi of bonding strength
- Resistant to water, salt spray, inorganic acids and bases and most organic solvents

Typical Applications

Use to bond paper, wood, metal, most plastics, and ceramics.

Specifications

Uncured Properties	
Color	Clear
Cured Color	Yellowish
Mix Ratio by Volume	1:1
Part A Viscosity	12,000 cps
Part B Viscosity	13,000 cps
Mixed Viscosity	12,500 cps
Part A Specific Gravity	1.16
Part B Specific Gravity	1.15
Mixed Specific Gravity	1.16
Pot Life	3 - 5 min
Mass	20 g
Tensile Strength	2,300 psi
Temperature Range	-60°F to 250°F -51°C to 121 °C
Hardness (Shore D)	80
Dielectric Contstant (25° C, 100 Hz)	4.5
Specific Volume	23.7 in^3/lb
Volume Resistivity	8 x 10^{14} ohm · cm

*All properties given are at 25 °C unless otherwise noted.

Available Sizes

Catalog Number	Sizes Available	Description
8332-25ML	25 ml (1 oz)	Dual Syringe

Material Safety Data Sheet

Section 1: Product Identification

MSDS Code: 8332 - Part A **Name: Fast Setting Epoxy Adhesive**

Related Part Numbers: 8332-25ML

Use: A fast setting epoxy adhesive.

Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
25086-38-6	Reaction product of epichlorohydrin and bisphenol A	70 – 90%	N/e	N/e	N/e
6869-97-2	Alkyl glycidyl ether	5 – 20%	N/e	N/e	N/e

Section 3: Hazards Identification

WHMIS Codes: D2B

NFPA Ratings: Health 2 Flammability 1 Reactivity 1

HMIS Ratings: Health 2 Flammability 1 Reactivity 1

Eyes: Moderately irritating. Contact at elevated temperatures can cause thermal burns.

Skin: Moderately irritating. Contact at elevated temperatures can cause thermal burns.

Inhalation: At room temperature, exposure to vapors is unlikely due to physical properties. Higher temperatures may generate vapor levels sufficient to cause irritation.

Ingestion: Single dose oral toxicity is low. Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of large amounts may cause injury.

Chronic: Prolonged or repeated skin contact may cause sensitization, with itching, swelling, or rashes on later exposure.

Section 4: First Aid Measure

Eyes: Remove contact lenses. Flush with water or saline. Get medical aid if symptoms persist.

Skin: Wash skin with soap and water. Get medical aid if symptoms persist.

Inhalation: Immediately remove from exposure to fresh air. Get medical aid if symptoms persist.

Ingestion: Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

Section 5: Fire Fighting Measures

Autoignition Temperature:	N/e	**Flash Point:**	249°C/480°F	**LEL / UEL:**	N/e

Extinguishing Media: Use dry chemical, carbon dioxide, or chemical foam.

General Information: Firefighters should wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.

Section 6: Accidental Release Measures

Spill Procedure: Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

Storage: Keep away from sources of ignition. Store in a cool, dry, well-ventilated area.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.

Ventilation: Use adequate general or local exhaust ventilation.

Personal Protection: Wear protective gloves to prevent skin contact.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	**Odor:**	Odorless	**Solubility:**	None	**Evaporation Rate:**	N/e		
Boiling Point:	>260°C/500°F	**Specific Gravity:**	1.17	**Vapor Pressure:**	0.03m bar @77°C	**Vapor Density:**	N/e	**pH:**	N/e

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.

Conditions to avoid: High Temperatures

Incompatibilities: Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases, especially primary and secondary aliphatic amines.

Polymerization: Will not occur.

Decomposition: No applicable information found.

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure)	This product is a skin sensitizer.
Carcinogenicity: (risk of cancer)	No
Teratogenicity: (risk of malformation in an unborn fetus)	No
Reproductive Toxicity: (risk of sterility)	No
Mutangenicity: (risk of heritable genetic effects)	No

Lethal Exposure Concentrations:	**Ingestion (LD50):**	15.6 g/kg (mouse)	**Inhalation (LC50):**	N/a	**Skin (LD50):**	N/e

Section 12: Ecological Information

General Information: Avoid runoff into storms and sewers, which lead into waterways. Water runoff can cause environmental damage.

Environmental Impact Data: (percentage by weight)

CFC: 0 **HFC:** 0 **Cl.Solv:** 0 **VOC:** 0 **HCFC:** 0 **ODP:** 0

Section 13: Disposal Information

General Information: Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

Section 14: Transportation Information

Ground:

Non-regulated

Air:

Non-regulated

Sea:

Non-regulated

Section 15: Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

CAA (Clean Air Act, USA)

This product does not contain any class 1-ozone depletors.

This product does not contain any class 2-ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.