

Freeman EP 8010 Epoxy Adhesive Part A

Section 1 Identification

**Product identifiers**

Product name: Freeman EP 8010 Epoxy Adhesive Part A Resin

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Epoxy Resin for Industrial / Professional Use Only

**Details of the supplier of the Safety Data Sheet**

Freeman Manufacturing & Supply Company

1101 Moore Road, Avon, OH 44011

Telephone (440) 934-1902

contactus@freemansupply.com

**24 Hour emergency telephone number:**

**CHEMTREC (800) 424-9300**

**Customer Number 8849**

Section 2 Hazards Identification

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Skin Corrosion/Irritation – Category 2

Eye Damage/ Irritation – Category 2A

Skin Sensitization – Category 1

Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation) – Category 3

**GHS Label Elements**



Warning

**Hazard Statements**

H319 - Causes serious eye irritation.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H335 - May cause respiratory irritation.

**Precautionary Statements**

**Prevention:** P261 – Avoid breathing dust/fume/mist/vapors/spray.

P264 – Wash hands (or other affected skin surfaces) thoroughly after handling.

P270 – Do not eat, drink, or smoke when using this product.

P273 – Avoid release to the environment

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P305/P351/P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301/P312 – IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302/P352 – IF ON SKIN: Wash with plenty of soap and water.

P333/P313 – If skin irritation or rash occurs get medical advice/attention.

**Storage:** P403 – Store in a well-ventilated place.

P410 – Protect from sunlight.

P411 – Store at temperatures not exceeding 25°C (75°F).

**Disposal:** P501 – Dispose of contents/containers in accordance with local/regional/national/international regulations.

Freeman EP 8010 Epoxy Adhesive Part A

**Section 3 Composition/Information on Ingredients**

**Mixture**

Ingredient Name	CAS Number	Weight (%)
Bisphenol A Epoxy Resin	25068-38-6	80 - 100

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Section 4 First Aid Measures**

- Skin:** Remove contaminated clothing. Flush skin with water, then wash affected areas with soap and water. If irritation develops, seek medical attention. Wash or dispose of clothing before reuse.
- Eye:** Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush if possible. Seek immediate medical attention.
- Respiratory:** Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Immediately get medical assistance.
- Ingestion:** Give patient water to dilute material in stomach. DO NOT induce vomiting. Seek immediate medical attention. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration. DO NOT give anything by mouth to an unconscious person.

**Section 5 Fire-Fighting Measures**

**Suitable Extinguishing Media**

In case of fire, water spray, fog, dry chemical or CO<sub>2</sub>, or alcohol resistant foam.

**Specific Hazards Arising from the Chemical**

Fire may produce irritating, corrosive and/or toxic gases.

**Hazardous Thermal**

Decomposition products may include: Carbon dioxide, carbon monoxide, halogenated compounds.

**Special Protective Equipment and Precautions for Firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, and rubber boots. In enclosed spaces, use self-contained breathing apparatus (SCBA).

**Flammability Classification**

Combustible, Class IIIB estimated.

**Section 6 Accidental Release Measures**

**Personal Precautions, Protective Equipment, and Emergency Procedures**

Keep unnecessary personnel away. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. For large spill or leak wear self-contained breathing apparatus (SCBA) and appropriate PPE.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid releases to the environment. Retain and dispose of contaminated water. Keep out of sewers and drains. Contact local authorities if case of spillage to drain/aquatic environment.

**Clean-Up Methods and Materials**

Absorb with an inert material and place in an appropriate container for disposal.

**Freeman EP 8010 Epoxy Adhesive Part A**

**Section 7 Handling and Storage**

**Handling Precautions**

Avoid breathing vapors. Use in a well-ventilated area. Wear rubber gloves (nitrile or butyl) and chemical resistant apron. Wear chemical splash goggles. Do not reuse empty containers.

**Storage Precautions**

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well ventilated area.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

None

**Appropriate engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**Personal protective equipment**

**Eye / Face Protection:** Wear safety glasses with side shields or splash goggles.

**Skin Protection:** Wear chemical resistant gloves (nitrile or butyl) and chemical resistant apron

**Respiratory Protection:** In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridge and dust/mist pre-filter.

**Safety stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available.

**General hygienic practices**

Avoid breathing vapor or mist. Wash thoroughly after handling materials. Avoid contamination of food, beverages, or smoking. Clean contaminated clothing thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Viscous clear liquid
<b>Odor</b>	Mild
<b>Odor threshold</b>	No data available
<b>pH</b>	No data available
<b>Freezing point</b>	No data available
<b>Initial boiling point</b>	260°C (500°F)
<b>Flash point (Pensky-Martens)</b>	251°C (>484°F) (ASTM D 93)
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor pressure at 77°F</b>	0.03 mm Hg
<b>Vapor density</b>	No data available
<b>Product density</b>	9.7 lb./gal
<b>Specific gravity</b>	1.17
<b>Water Solubility</b>	Negligible
<b>Coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	8,000 to 10,000 cP
<b>Percent volatiles</b>	No data available

**Freeman EP 8010 Epoxy Adhesive Part A**

**Section 10 Stability and Reactivity**

<b>Reactivity</b>	Product is stable under normal conditions.
<b>Chemical Stability</b>	The product is stable.
<b>Possibility of Hazardous Reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to Avoid</b>	Avoid exposure – obtain special instructions before use. Avoid all possible sources of ignition (spark or flame).
<b>Materials to Avoid</b>	Incompatible with strong oxidizing materials, strong acids, strong alkalis.
<b>Hazardous Decomposition</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Other hazards</b>	Reacts with considerable heat release with some curing agents.

**Section 11 Toxicological Information**

<b>Route of Entry:</b>	Eye contact, skin contact, inhalation, and ingestion.
<b>Target Organs:</b>	Skin, eyes, respiratory tract, digestive tract, liver, kidney, olfactory and Central Nervous System (CNS).
<b>Skin Contact</b>	May cause irritation of the skin. Prolonged exposure may cause sensitization. Preexisting skin conditions may be aggravated by exposure to this material.
<b>Eye Contact</b>	May cause irritation and/or sensitization.
<b>Respiratory Contact</b>	Respiratory tract irritant. Prolonged exposure may result in dizziness, nausea, headache, and anesthetic effects. May cause sensitization. Preexisting respiratory conditions may be aggravated by exposure to this product. May cause CNS depression.
<b>Ingestion</b>	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that the stomach vomit doesn't enter the lungs.
<b>Acute Toxicity (Bisphenol A Epoxy Resin)</b>	LD50 = 11,400 mg/kg (oral, rat) LD50 = 2,000 mg/kg (dermal, rat)
<b>Chronic Toxicity</b>	This product has not been tested. No additional information.
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No specific data
<b>Carcinogenicity</b>	No specific data
<b>Reproductive Toxicity</b>	No data available
<b>Specific Target Organ Toxicity (STOT)</b>	
- single exposure	Bisphenol A Epoxy Resin (CAS: 25068-38-6), Category 3
- repeated exposure	No data available
<b>Aspiration Hazard</b>	No data available

**Section 12 Ecological Information**

<b>Ecotoxicity</b>	This product contains components that may be toxic to aquatic organisms and may cause long term adverse effects in an aquatic environment.
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Freeman EP 8010 Epoxy Adhesive Part A

Section 12 Ecological Information

Ingredient name	Result	Species	Exposure
Bisphenol A Epoxy Resin (CAS 25068-38-6)	Acute LC50 1.3 mg/l - 203 Fish, Acute Toxicity Test	Fish - Fish	96 hour
	Acute EC50 2.1 mg/l - 202 Daphnia sp. Acute Immobilization Test and Reproductive Test	Aquatic invertebrates. Water Flea	48 hour
	Acute No-observable-effect-concentration 0.3 mg/l - 211 Daphnia Magna Reproduction Test	Aquatic invertebrates. Water Flea	21 day
	Acute LC50 > 11 mg/l	Aquatic plants - Algae	72 hour

**Persistence and degradability** No data available

**Bioaccumulative potential**

Ingredient name	LogPow	BCF	Potential
Bisphenol A Epoxy Resin (CAS 26068-38-6)	2.64 - 3.78	3 - 31 31.00	Low

**Mobility in soil** No data available.

**Results of PBT & vPvB assessment** No data available

Section 13 Disposal Considerations

**Part A Resin:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recycle-able products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 Transport Information

**DOT:** Not regulated  
**Marine Pollutant:** Yes

Section 15 Regulatory Information

**International Regulations:**

**DSL (Canada Domestic Substance List):** All components of this product are on the DSL or are exempt.

**EINECS:** Not Available.

**WHMIS:** B2, C, D2B.

**U.S. Federal Regulations**

**TSCA (Toxic Substances Control Act):** All components of this product are on the TSCA Inventory or exempt

**United States - TSCA 12(b) - Chemical export notification:** None required.

Freeman EP 8010 Epoxy Adhesive Part A

**Section 15 Regulatory Information**

United States – TSCA 5(a)2 – Final significant new use rules: Not listed.  
 United States – TSCA 5(a)2 – Proposed significant new use rules: Not listed.  
 United States – TSCA 5(e) – Substances consent order: Not listed.  
 SARA 311/312 Chemical: Yes, See Section 2  
 SARA 313 (TRI reporting) Not regulated.  
 Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPS) List: Not regulated.  
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.  
 Safe Drinking Water Act (SDWA): Not regulated.

**California Proposition 65:** ⚠️ WARNING: This product may expose you to chemicals including Phenyl glycidyl ether, which is known to the State of California to cause cancer. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name	CAS Number	Concentration (%)	No Significant Risk Level (NSRL)
Phenyl glycidyl ether	122-60-1	<0.1 (estimated)	5 µg/day

**Section 16 Other Information**

**Disclaimer**

The following supersedes Buyer’s documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer’s sole remedy and Seller’s sole liability for any claims shall be Buyer’s purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Freeman EP 8010 Epoxy Adhesive Part B

Section 1 Identification

**Product identifiers**

Product name: Freeman EP 8010 Epoxy Adhesive Part B Hardener

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Epoxy Hardener for Industrial / Professional Use Only

**Details of the supplier of the Safety Data Sheet**

Freeman Manufacturing & Supply Company

1101 Moore Road, Avon, OH 44011

Telephone (440) 934-1902

contactus@freemansupply.com

**24 Hour emergency telephone number:**

**CHEMTREC (800) 424-9300**

**Customer Number 8849**

Section 2 Hazards Identification

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Acute Oral Toxicity, Category 4

Acute Dermal Toxicity, Category 4

Acute Inhalation Toxicity, Category 4

Skin Irritation, Category 2

Eye Irritation, Category 2A

Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation) – Category 3

**GHS Label Elements**



Warning

**Hazard Statements**

H302 – Harmful if swallowed

H312 – Harmful in contact with skin

H332 – Harmful if inhaled

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H335 – May cause respiratory irritation

**Precautionary Statements**

**Prevention:** P261 – Avoid breathing dust/fume/mist/vapors/spray.

P264 – Wash hands (or other affected skin surfaces) thoroughly after handling.

P270 – Do not eat, drink, or smoke when using this product.

P273 – Avoid release to the environment

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P305/P351/P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301/P312 – IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302/P352 – IF ON SKIN: Wash with plenty of soap and water.

P333/P313 – If skin irritation or rash occurs get medical advice/attention.

**Storage:** P403 – Store in a well-ventilated place .

P410 – Protect from sunlight.

P411 – Store at temperatures not exceeding 25°C (75°F).

**Disposal:** P501 – Dispose of contents/containers in accordance with local/regional/national/international regulations.

Freeman EP 8010 Epoxy Adhesive Part B

**Section 3 Composition/Information on Ingredients**

Mixture

Ingredient Name	CAS Number	Weight (%)
Fatty acids, C18-unsaturated, dimers, reaction 68410-23-1 > 80% Products with polyethylenepolyamines	68410-23-1	>80
Triethylenetetramine	112-24-3	<3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**Section 4 First Aid Measures**

- Skin:** Remove contaminated clothing. Flush skin with water, then wash affected areas with soap and water. If irritation develops, seek medical attention. Wash or dispose of clothing before reuse.
- Eye:** Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush if possible. Seek immediate medical attention.
- Respiratory:** Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Immediately get medical assistance.
- Ingestion:** Give patient water to dilute material in stomach. DO NOT induce vomiting. Seek immediate medical attention. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration. DO NOT give anything by mouth to an unconscious person.

**Section 5 Fire-Fighting Measures**

**Suitable Extinguishing Media**

In case of fire, water spray, fog, dry chemical or CO<sub>2</sub>, or alcohol resistant foam.

**Specific Hazards Arising from the Chemical**

Fire may produce irritating, corrosive and/or toxic gases.

**Hazardous Thermal**

Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, halogenated compounds.

**Special Protective Equipment and Precautions for Firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, and rubber boots. In enclosed spaces, use self-contained breathing apparatus (SCBA) and protective clothing.

**Flammability Classification**

Combustible, Class IIIB estimated.

**Autoignition Temperature**

816°F (436°C).

**Section 6 Accidental Release Measures**

**Personal Precautions, Protective Equipment, and Emergency Procedures**

Keep unnecessary personnel away. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. For large spill or leak wear self-contained breathing apparatus (SCBA) and appropriate PPE.



**Freeman EP 8010 Epoxy Adhesive Part B**

**Section 6 Accidental Release Measures**

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid releases to the environment. Retain and dispose of contaminated was water. Keep out of sewers and drains. Contact local authorities if case of spillage to drain/aquatic environment.

**Clean-Up Methods and Materials**

Absorb with an inert material and place in an appropriate container for disposal.

**Section 7 Handling and Storage**

**Handling Precautions**

Avoid breathing vapors. Use in a well-ventilated area. Wear rubber gloves (nitrile or butyl) and chemical resistant apron. Wear chemical splash goggles. Do not reuse empty containers.

**Storage Precautions**

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well ventilated area.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

Triethylenetetramine: AIHA WEEL (1999-01-01), TWA – TLV and PEL 1 ppm

**Appropriate engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**Personal protective equipment**

**Eye / Face Protection:** Wear safety glasses with side shields or splash goggles.

**Skin Protection:** Wear chemical resistant gloves (nitrile or butyl) and chemical resistant apron

**Respiratory Protection:** In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridge and dust/mist pre-filter.

**Safety stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available.

**General hygienic practices**

Avoid breathing vapor or mist. Wash thoroughly after handling materials. Avoid contamination of food, beverages, or smoking. Clean contaminated clothing thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Viscous liquid
<b>Odor</b>	Faint amine odor
<b>Odor threshold</b>	No data available
<b>pH</b>	No data available
<b>Freezing point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point (Open Cup)</b>	>110°C (>230°F) (ASTM D 4206)
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor pressure at 68°F</b>	0.09 mm Hg

**Freeman EP 8010 Epoxy Adhesive Part B**

**Section 9 Physical and Chemical Properties**

Vapor density	1 (Air = 1)
Product density	7.7 – 9.8 lb./gal
Specific gravity	0.95 – 1.2
Water Solubility	Slightly
Coefficient: n-octanol/water	No data available
Auto-ignition temperature	816°F(436°C)
Decomposition temperature	No data available
Viscosity	No data available
Percent volatiles	No data available

**Section 10 Stability and Reactivity**

<b>Reactivity</b>	Product is stable under normal conditions.
<b>Chemical Stability</b>	The product is stable.
<b>Possibility of Hazardous Reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to Avoid</b>	Avoid exposure – obtain special instructions before use. Avoid all possible sources of ignition (spark or flame).
<b>Materials to Avoid</b>	Incompatible with strong oxidizing materials
<b>Hazardous Decomposition</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Other hazards</b>	Heating this substance above 300°F in the presence of air may cause slow oxidative decomposition; above 500°F polymerization may occur.

**Section 11 Toxicological Information**

<b>Route of Entry:</b>	Eye contact, skin contact, inhalation, and ingestion.
<b>Target Organs:</b>	Skin, eyes, respiratory tract, digestive tract, liver, kidney, olfactory and Central Nervous System (CNS).
<b>Skin Contact</b>	May cause irritation of the skin. Prolonged exposure may cause sensitization. Preexisting skin conditions may be aggravated by exposure to this material.
<b>Eye Contact</b>	May cause irritation and/or sensitization.
<b>Respiratory Contact</b>	Respiratory tract irritant. Prolonged exposure may result in dizziness, nausea, headache, and anesthetic effects. May cause sensitization. Preexisting respiratory conditions may be aggravated by exposure to this product. May cause CNS depression.
<b>Ingestion</b>	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that the stomach vomit doesn't enter the lungs.
<b>Acute Toxicity</b>	
Fatty acids, C18-unsaturated, dimers, reaction Products with polyethylenepolyamines)	LD50 > 5,000 mg/kg (oral, rat)
Triethylenetetramine	LD50 = 2,500 mg/kg (oral, rat)
<b>Chronic Toxicity</b>	This product has not been tested. No additional information.

Freeman EP 8010 Epoxy Adhesive Part B

**Section 11 Toxicological Information**

<b>Eye Damage / Irritation</b>	Causes serious eye damage.
<b>Respiratory Sensitization</b>	Harmful if inhaled.
<b>Skin Sensitization</b>	Harmful in contact with skin.
<b>Ingestion</b>	Harmful if swallowed.
<b>Germ cell mutagenicity</b>	No specific data
<b>Carcinogenicity</b>	No specific data
<b>Reproductive Toxicity</b>	No data available
<b>Specific Target Organ Toxicity (STOT)</b>	
- single exposure	No data available
- repeated exposure	No data available
<b>Aspiration Hazard</b>	No data available

**Section 12 Ecological Information**

**Ecotoxicity** This product contains components that may be toxic to aquatic organisms and may cause long term adverse effects in an aquatic environment.

Ingredient name	Result	Species	Exposure
Triethylenetetramine	Acute LC50 33,900 µg/l Fresh water	Aquatic invertebrates, Water flea	48 hour
	Acute EC50 3,700 µg/l Fresh water	Aquatic plants – Green algae	96 hour

**Persistence and degradability** Benzyl Alcohol (CAS 100-51-6) - Biodegradability Biotic/Aerobic - Result 92 to 96% - Readily Biodegradable.

**Bioaccumulative potential** This product contains components with the potential to bio-accumulate.

Ingredient name	LogPow	BCF	Potential
Triethylenetetramine	-1.66 to -1.4		Low
Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines (CAS 68410-23-1)		492.00	Low

**Mobility in soil** No data available.

**Results of PBT & vPvB assessment** No data available

**Section 13 Disposal Considerations**

**Part B Hardener:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recycle-able products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Freeman EP 8010 Epoxy Adhesive Part B

Section 14 Transport Information

DOT: Not regulated  
Marine Pollutant: No

Section 15 Regulatory Information

**International Regulations:**

**DSL (Canada Domestic Substance List):** All components of this product are on the DSL or are exempt.

**EINECS:** Not Available.

**WHMIS:** B2, C, D2B.

**U.S. Federal Regulations**

**TSCA (Toxic Substances Control Act):** All components of this product are on the TSCA Inventory or exempt.

**United States - TSCA 12(b) - Chemical export notification:** None required.

**United States - TSCA 5(a)2 - Final significant new use rules:** Not listed.

**United States - TSCA 5(a)2 - Proposed significant new use rules:** Not listed.

**United States - TSCA 5(e) - Substances consent order:** Not listed.

**SARA 311/312 Chemical:** Yes, See Section 2

**SARA 313 (TRI reporting)** Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPS) List:** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.

**Safe Drinking Water Act (SDWA):** Not regulated.

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Section 16 Other Information

**Disclaimer**

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.