

Safety Data Sheet
Freeman 6700 Resin

Section 1 Identification

Product Identifiers

Freeman 6700 Resin (Part A)

Relevant Identified Uses of the Substance or Mixture

Resin component of two-part clear epoxy laminating system. For industrial/professional use only.

Details of the Supplier of the Safety Data Sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: (440) 934-1902
Email: contactus@freemansupply.com

24 Hour emergency telephone number:
CHEMTREC (800) 424-9300

Section 2 Hazards Identification

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

Skin Irritation, Category 2

Eye Irritation, Category 2A

Skin Sensitizer, Category 1

Specific Target Organ Toxicity – Single Exposure (Inhalation), Category 3

Label elements



Warning

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P261 Avoid breathing fumes, vapors, mists or sprays.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves, eye protection and face protection.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P319 Get medical help if you feel unwell.

P333+P317 If skin irritation or rash occurs: Get medical help.

P337+P317 If eye irritation persists: Get medical help.

P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

Supplemental Information

This is one part of a two-part system. Read and understand the hazard information on curative before using.

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Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Concentration (%)
Bisphenol A Epoxy Resin	25068-38-6	80-90
Alkyl Glycidyl Ether	68609-97-2	0-10

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

Section 4 First-Aid Measures

Description of first-aid measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse. Discard clothing that cannot be decontaminated.

Inhalation: Remove person to fresh air. Get medical attention if symptoms develop or persist.

Ingestion: Do not induce vomiting unless instructed to do so by a medical professional. Get medical attention if you feel unwell.

Most Important Symptoms/Effects

None known

Indication of Immediate Medical Attention/Special Treatment

Not expected to be required

Section 5 Fire-Fighting Measures

Extinguishing Media

Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or spread fire.

Specific Hazards

Not classified as flammable or combustible. Product will burn under fire conditions. Combustion products include oxides of carbon, phenolics, aldehydes and other toxic organic compounds.

Special Protective Equipment & Precautions for Fire-Fighters

Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing.

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Clear unnecessary, unprotected personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors.

Methods and Materials for Containment and Cleanup

Cover with an inert absorbent material and collect into an appropriate container for disposal.

Avoid releases to the environment. Do not flush product into public sewer, water systems, or surface waters.

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Section 7 Handling and Storage

Safe Handling

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area. Keep container closed when not in use.

Safe Storage

Store indoors at temperatures below 120°F (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed. Store locked up.

Section 8 Exposure Controls/Personal Protection

Occupational Exposure Limits

None established

Appropriate Engineering Controls

Use with adequate general or local exhaust ventilation to minimize exposure levels.

Personal Protective Equipment (PPE)

Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses/goggles.

Other Protective Measures

Prevent skin contact and contamination of personal clothing. An eyewash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

Section 9 Physical and Chemical Properties

Appearance	White paste
Odor	Slight
Odor Threshold	No data available
pH	No data available
Melting/Freezing Point	No data available
Boiling Point	No data available
Flash Point	>150°C
Evaporation Rate	No data available
Flammability Limits	No data available
Vapor Pressure	<0.62 mm Hg at 20°C
Vapor Density	Heavier than air
Relative Density	0.95 at 25°C
Solubility	Nil to slightly soluble in water
Coefficient: n-Octanol/Water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	Thixotropic

Section 10 Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

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Freeman 6700 Resin

Section 10 Stability and Reactivity

Possibility of Hazardous Reactions: Masses of ≥ 1 lb. (0.5 kg) plus aliphatic amine will cause irreversible polymerization with considerable heat build-up. Material will polymerize with sodium hydroxide.

Conditions to Avoid: Avoid excessive heat.

Incompatible Materials: Avoid contact with strong acids, bases, oxidizing agents, and amines.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

Section 11 Toxicological Information

Acute Toxicity Values

Not acutely hazardous.

Acute Health Effects

Eye Contact: Causes serious eye irritation.

Skin Contact: Causes skin irritation. May cause allergic skin reaction.

Inhalation: May cause respiratory irritation.

Ingestion: No data available.

Chronic Health Effects

Respiratory Sensitization: Components are not classified as respiratory sensitizers.

Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Components are not classified as mutagens.

Carcinogenicity: Components are not classified as carcinogens.

Reproductive Toxicity: Components are not classified as reproductive toxins.

Specific Target Organ Toxicity: May cause respiratory irritation, drowsiness or dizziness.

Section 12 Ecological Information

Ecotoxicity: No data available. Do not release into waterways.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Section 13 Disposal Considerations

Dispose according to local, state, and federal regulations. Do not dump in drains or sewers.

Section 14 Transport Information

DOT

UN3082, Environmentally hazardous substance, liquid, n.o.s (epoxy resin), 9, III.

Non-bulk Packaging (<882 lb. or <119 gal.) not regulated transport by truck.

IMDG/IATA

UN3082, Environmentally hazardous substance, liquid, n.o.s (epoxy resin), 9, III, MARINE POLLUTANT.

Excepted for IMDG and IATA regulations if shipped in quantities of 5L (1.32) gal or less

(See IMDG 2.10.2.7 and IATA SP A197)

Section 15 Regulatory Information

U.S. Federal Regulations

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements.

SARA TITLE III, Section 311/312: See Section 2

Section 313 Toxic Chemicals: This product does not contain chemicals subject to reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All components in this product are listed on TSCA.

U.S. State Regulations

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, go to www.P65Warnings.ca.gov. No Significant Risk Level (NSRL): 5 µg/day

EU REACH

Article 59(10) substances of very high concern (SVHC): No components are listed

Section 16 Other Information

Training Advice

All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions

This product is intended for industrial/professional use only.

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.

Initial release date: March 3, 2022

Previous revision date: April 23, 2024

Current revision date: February 28, 2025

Safety Data Sheet
Freeman 6700 Hardener

Section 1 Identification

Product Identifiers

Freeman 6700 Hardener (Part B)

Relevant Identified Uses of the Substance or Mixture

Hardener component of two-part clear epoxy laminating system. For industrial/professional use only.

Details of the Supplier of the Safety Data Sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: (440) 934-1902
Email: contactus@freemansupply.com

24 Hour emergency telephone number:
CHEMTREC (800) 424-9300

Section 2 Hazards Identification

GHS Classification in Accordance with 29 CFR 1910.1200 (OSHA HCS)

Acute Toxicity (Oral), Category 4

Acute Toxicity (Inhalation), Category 3

Skin Corrosion, Category 1B

Serious Eye Damage, Category 1

Skin Sensitizer, Category 1

Toxic to Reproduction, Category 2

Specific Target Organ Toxicity – Single Exposure, Category 3

Hazardous to the Aquatic Environment – Acute Hazard, Category 2

Hazardous to the Aquatic Environment – Chronic Hazard, Category 2

Label Elements



Danger

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Phrases

P203 Obtain, read and follow all safety instructions before use.

P260 Do not breathe mists.

P264 Wash hands thoroughly after handling.

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

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection, and face protection.

Section 2 Hazards Identification

P301+P317 IF SWALLOWED: Get medical help.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P316 Get emergency medical help immediately.

P317 Get medical help.

P318 IF exposed or concerned, get medical advice.

P319 Get medical help if you feel unwell.

P330 Rinse mouth.

P333+P317 If skin irritation or rash occurs: Get medical help.

P362+P364 Take off contaminated clothing and wash it before reuse.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Supplemental Information

This is one part of a two-part system. Read and understand the hazard information on resin before using.

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Concentration (%)
Higher ethylene polyamines (HEPA)	68131-73-7	30-40
4,4'-Isopropylidenediphenol (BPA)	80-05-7	30-40
Diethylenetriamine	111-40-0	20-30
Benzyl alcohol	100-51-6	0-5

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

Section 4 First-Aid Measures

Description of first-aid measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention immediately. Wash contaminated clothing before reuse.

Discard clothing that cannot be decontaminated.

Inhalation: Remove person to fresh air. Get medical attention immediately.

Ingestion: Do not induce vomiting unless instructed to do so by a medical professional. Get medical attention immediately.

Most Important Symptoms/Effects

Toxic if inhaled. Harmful if swallowed.

Indication of Immediate Medical Attention/Special Treatment

Get immediate medical attention if swallowed, on skin, in eyes, or inhaled.

Safety Data Sheet

Freeman 6700 Hardener

Section 5 Fire-Fighting Measures

Extinguishing Media

Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or spread fire.

Specific Hazards

Not classified as flammable or combustible. Product will burn under fire conditions. Combustion products include oxides of carbon, phenolics, aldehydes and other toxic organic compounds.

Special Protective Equipment & Precautions for Fire-Fighters

Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing.

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Clear unnecessary, unprotected personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors.

Methods and Materials for Containment and Cleanup

Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

Section 7 Handling and Storage

Safe Handling

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area. Keep container closed when not in use.

Safe Storage

Store indoors at temperatures below 120°F (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed. Store locked up.

Section 8 Exposure Controls/Personal Protection

Occupational Exposure Limits

None established

Appropriate Engineering Controls

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist, and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain air concentrations below occupational exposure standards. When necessary use mechanical handling to reduce human contact with materials.

Personal Protective Equipment (PPE)

Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses/goggles.

Other Protective Measures

Prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

Safety Data Sheet

Freeman 6700 Hardener

Section 9 Physical and Chemical Properties

Appearance	Clear amber liquid
Odor	Fishy (amine)
Odor Threshold	No data available
pH	No data available
Melting/Freezing Point	No data available
Boiling Point	No data available
Flash Point	>93°C
Evaporation Rate	No data available
Flammability Limits	No data available
Vapor Pressure	<0.75 mm Hg at 20°C
Vapor Density	Heavier than air
Relative Density	1.06
Solubility	Soluble
Coefficient: n-Octanol/Water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	1,800 cP at 25°C

Section 10 Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Masses of ≥1 lb. (0.5 kg) plus aliphatic amine will cause irreversible polymerization with considerable heat build-up. Material will polymerize with sodium hydroxide.

Conditions to Avoid: Avoid excessive heat.

Incompatible Materials: Avoid contact with strong acids, bases, oxidizing agents, and amines.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

Section 11 Toxicological Information

Acute Toxicity Values

Ingredient Name	CAS Number	LC₅₀ Inhalation (Rat)	LD₅₀ Oral (Rat)	LD₅₀ Dermal (Rabbit)
Higher ethylene polyamines (HEPA)	68131-73-7	Not available	1,716.2 mg/kg	Not available
4,4'-Isopropylidenediphenol (BPA)	80-05-7	0.17 mg/L, 4hr.	>2,000 mg/kg	6,400 mg/kg
Diethylenetriamine	111-40-0	0.30 mg/L, 4hr.	1,080 mg/kg	1,090 mg/kg
Benzyl alcohol	100-51-6	4.178 mg/L, 4hr.	1,620 mg/kg	Not available

Acute Health Effects

Eye Contact: Causes serious eye damage.

Skin Contact: Causes severe skin burns. May cause allergic skin reaction.

Inhalation: Toxic if inhaled. May cause respiratory irritation.

Ingestion: Harmful if swallowed.

Section 11 Toxicological Information

Chronic Health Effects

Respiratory Sensitization: Components are not classified as respiratory sensitizers.
Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Components are not classified as mutagens.
Carcinogenicity: Components are not classified as carcinogens.
Reproductive Toxicity: Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity: May cause respiratory irritation, drowsiness or dizziness.

Section 12 Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects. Do not release into waterways.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.

Section 13 Disposal Considerations

Dispose according to local, state, and federal regulations. Do not dump in drains or sewers.

Section 14 Transport Information

DOT

UN2735, Amines, liquid, corrosive, n.o.s., (polyethylenepolyamines, diethylenetriamine), 8, II.
 LTD QTY if shipped in quantities of 1 L (0.3 gal.) or less.

IMDG/IATA

UN2735, Amines, liquid, corrosive, n.o.s., (polyethylenepolyamines, diethylenetriamine), 8, II, MARINE POLLUTANT.

Section 15 Regulatory Information

U.S. Federal Regulations

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements.
SARA TITLE III, Section 311/312: See Section 2
Section 313 Toxic Chemicals: This product contains chemicals subject to SARA Title III Section 313 reporting requirements: 4,4'-Isopropylidenediphenol (CAS 80-05-7) 30-40%
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: All components in this product are listed on TSCA.

U.S. State Regulations

California Proposition 65: ⚠ **WARNING:** This product can expose you to chemicals including Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.
 Maximum Allowable Dose Level (MADL): 3 µg/day (dermal exposure from solid materials)

EU REACH

Article 59(10) substances of very high concern (SVHC): No components are listed

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.

Initial release date: March 3, 2022

Previous revision date: April 23, 2024

Current revision date: February 28, 2025