FREEMAN Manufacturing & Supply Company

Safety Data Sheet

Freeman 905 PFP Epoxy Surface Coat Part A (Resin)

Section 1 Identification

Product Identifiers

Freeman 905 PFP Epoxy Surface Coat Part A (Resin)

Relevant Identified Uses of the Substance or Mixture

Resin component of a two-part epoxy surface coat, ideal for plastic-face plaster tools. For professional / industrial use only. Read and understand the hazard information on curative before using.

Details of the Supplier of the Safety Data Sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: +1 800 321-8511
Email: contactus@freemansupply.com

24 Hour Emergency Telephone Number
CHEMTREC Toll Free: 1-800-424-9300
Worldwide: +1 703-527-3887

Section 2 Hazards Identification

GHS Classification

Acute toxicity, oral, Category 4
Skin corrosion/irritation, Category 2
Sensitization skin, Category 1
Serious eye damage/eye irritation, Category 2A
Hazardous to the aquatic environment, long-term hazard, Category 2

Label Elements



Warning

Hazard statements

H302 Harmful if swallowed.
H315 May be harmful in contact with skin.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P280 Wear protective gloves/protective clothing/ eye protection/ face protection.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes;
Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container in accordance to Federal rules, laws and regulations.

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Concentration (%)
Diglycidyl-Ether of Bisphenol-A	25068-38-6	45 - 70
Alkyl (C12-C14) glycidyl ether	68609-97-2	5 - 10
Other ingredients are not listed because they are either not hazardous or are below cut-off/concentration thresholds.		

Section 4 First-Aid Measures

Eye Contact: Rinse thoroughly for at least 15 minutes with water, holding the eyelids open to be sure the material is washed out. Remove any contact lenses if safe and easy to do. Continue rinsing. Get medical attention. Do not use eye ointment.
Skin Contact: Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water. Wash contaminated clothing before reuse. Discard clothing that cannot be decontaminated. Get medical attention if irritation develops or persists.
Inhalation: Remove person to fresh air. If breathing is labored, administer oxygen. If not breathing administer artificial respiration. Consult a physician.
Ingestion: If swallowed, seek medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

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.

Hazardous combustion products

The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly phenolics, carbon monoxide and water. The thermal decomposition products of epoxy resins therefore should be treated as potentially hazardous substances, and appropriate precautions should be taken. May liberate carbon monoxide or carbon dioxide.

Special Protective Equipment & Precautions for Fire-Fighters

Conditions of flammability: Combustible
Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing.

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate protective equipment and clothing. Avoid contact with liquid and vapors.
WARNING: If grinding/sanding cured product, note that due to aluminum content, dust may become potentially explosive.

Environmental Precautions

Avoid releases to the environment. Consult local authorities.

Methods and Materials for Containment and Cleanup

Avoid contact with material. Evacuate all non-essential personnel. Keep spark producing equipment away. Dike area to prevent spill spreading and soak up with absorbent material such as sand, or polypropylene or polyethylene fiber products and collect in suitable containers. Residual resin may be removed using steam or hot soapy water. Solvents are not recommended for cleanup unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult appropriate solvent SDS for handling information and exposure guidelines.

Section 7 Handling and Storage

Safe Handling

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Maintain emergency eye wash stations and showers near working area. Do not eat, drink, or smoke in the work area. Recommended pumping and storage temperature is 59-77°F (15-25°C).

Safe Storage

Keep containers tightly sealed when not in use. Store away from heat, ignition sources; and store away from incompatible materials. Store the material in a cool, dry, and well-ventilated area.

Section 8 Exposure Controls/Personal Protection

Occupational Exposure Limits

None established.

Engineering controls

Good general ventilation is sufficient for most conditions. Avoid breathing mists if general ventilation or local exhausts is inadequate; persons exposed to mists should wear appropriate NIOSH/MSHA approved breathing devices.

Personal Protective Equipment (PPE)

Respiratory Protection: No respiratory protection should be needed at room temperature.
Avoid breathing vapors of heated material.
NOTE: If grinding or sanding cured material, use NIOSH or OSHA approved respiratory protection.
Skin Protection: Use protective clothing impervious to this product. Selection of specific items such as face shield, gloves, boots, apron or full-body suit will depend on operation. Remove contaminated clothing immediately, wash skin with soap and water; and launder clothing before reuse.
Eye Protection: Wear chemical safety glasses with side shields or splash-proof goggles.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Odor	Faint epoxy odor
Odor Threshold	No data available
pH	No data available
Melting/Freezing Point	No data available
Boiling Point	>392°F (>200°C)
Flash Point (closed cup)	>302°F (>150°C)
Evaporation Rate	No data available
Flammability Limits	No data available
Vapor Pressure (Pa)	13.3
Vapor Density (Air = 1)	No data available.
Specific gravity (gm/cm3)	1.4
Solubility	No data available
Coefficient: n-Octanol/Water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10 Stability and Reactivity

Reactivity

Not normally reactive.

Section 10 Stability and Reactivity

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Excess heating above 140°F (60°C) over long periods of time degrades the resin. Hazardous polymerization will not occur by itself, but masses of more than 1lb. of product plus an aliphatic amine will cause irreversible polymerization with considerable heat buildup. Material will polymerize with sodium hydroxide.

Conditions to Avoid

Avoid excessive heat, strong oxidizers, acids and bases.

Incompatible Materials

Bases, acids, amines and oxidizing materials, plastics other than Teflon or polypropylene, and aluminum at high temperatures. Sodium or Calcium Hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

Unusual Explosion Hazards

Extinguish all nearby sources of ignition since vapors decompose to toxic products at high temperatures. When exposed to heat, closed containers may explode. Contact with strong oxidizers may cause fire or explosion.

Section 11 Toxicological Information

Route of entry

Eye contact: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.
Skin contact: Prolonged or repeated contact may cause skin irritation with local redness.
Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Inhalation: Vapour from heated material, mist or aerosol may cause respiratory irritation.
Ingestion: Very low toxicity if swallowed.
Aspiration Toxicity: Not likely to present a hazard.

Acute Toxicity Values

Ingredient Name	CAS Number	Toxicity Data
Diglycidyl-Ether of Bisphenol-A	25068-38-6	Oral LD50 (rats): >2,000 mg/kg OECD 420 Dermal LD50 (rabbits): > 1,200 mg/kg
Alkyl (C12-C14) glycidyl ether	68609-97-2	LD50 Oral (rats): > 2.000 mg/kg

Effects of acute exposure to product

No data available

Effects of chronic exposure to product

Respiratory Sensitization: Not available
Skin Sensitization: May cause an allergic skin reaction
Germ Cell Mutagenicity: Animal mutagenicity studies were negative. In vitro mutagenicity studies were negative in some cases, and positive in others
Carcinogenicity: Not listed as a carcinogen by NTP, IARC, OSHA and ACGIH
Reproductive Toxicity: No reproductive effects

Section 12 Ecological Information

Toxicity	Toxic to aquatic life with long lasting effects. Do not release into waterways.
Persistence and Degradability	Material is not readily biodegradable
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.

Section 13 Disposal Considerations

Dispose of according to local, state, and federal regulations. Do not release into drains or sewers.
Dispose of any unused, uncontaminated, as well as contaminated product, by a properly licensed company.

Section 14 Transport Information

DOT, TDG

This product is not regulated when shipped domestically by land.

IMO-IMDG, IATA-ICAO

UN Number: UN3082
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Epoxy Resin)
Hazard Class: 9
Packing Group: III
Marine Pollutant: Epoxy resin

Section 15 Regulatory Information

CERCLA Hazardous Substances: This product is not subject to reporting under CERCLA.
SARA Title III Section 302 Extremely Hazardous Substances: None
SARA Title III Section 313 Toxic Chemicals: None
Clean Air Act Section 112r: None
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed.
Canadian Environmental Protection Act (CEPA) Status: All components are listed on the Domestic Substances List (DSL).
WHMIS: D2B

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.

SDS Revision History

Date of initial release: November 6, 2026
Date of previous revision: N/A
Current revision date: November 6, 2026

FREEMAN Manufacturing & Supply Company

Safety Data Sheet

Freeman 905 PFP Epoxy Surface Coat Part B (Hardener)

Section 1 Identification

Product Identifiers

Freeman 905 PFP Epoxy Surface Coat Part B (Hardener)

Relevant Identified Uses of the Substance or Mixture

Hardener component of a two-part epoxy surface coat, ideal for plastic-face plaster tools. For professional / industrial use only. Read and understand the hazard information on resin before using.

Details of the Supplier of the Safety Data Sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011-4043 USA
Telephone: +1 800 321-8511
Email: contactus@freemansupply.com

24 Hour Emergency Telephone Number
CHEMTREC Toll Free: 1-800-424-9300
Worldwide: +1 703-527-3887

Section 2 Hazards Identification

GHS Classification

Acute toxicity, oral; acute toxicity, dermal, Category 4
Skin corrosion/irritation, Category 1B
Sensitization, skin, Category 1
Germ cell mutagenicity, Category 2
Reproductive toxicity, Category 2
Specific target organ toxicity, repeated exposure(Central Nervous System), Category 2
Hazardous to the aquatic environment, long-term hazard, Category 1

Label Elements



Danger

Hazard statements

H302+H312 Harmful if swallowed or in contact with skin
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H341 Suspected of causing genetic defects
H361 Suspected of damaging fertility or the unborn child
H362 May cause harm to breast-fed children
H373 May cause damage to organs through prolonged or repeated exposure in contacts with skin (central nervous system (CNS))
H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

P260 Do not breathe dust/fumes/gas/mist/vapours/spray
P263 Avoid contact during pregnancy and while nursing
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/ eye protection/ face protection
P272 Contaminated work clothing should not be allowed out of the workplace
P273 Avoid release to the environment
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P312 Call a POISON CENTER or Doctor/Physician if you feel unwell
P302+P352 IF ON SKIN: Wash with plenty of water
P361+P364 Take off immediately all contaminated clothing and wash it before reuse

Section 2 Hazards Identification

P353 Rinse skin with water/ shower
P333+P313 If skin irritation or rash occurs: get medical advice/attention as appropriate
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
P310 Immediately call a POISON CENTER or Doctor/Physician
P405 Store locked up
P501 Dispose of contents/container in accordance to Federal rules, laws and regulations.

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Concentration (%)
Nonylphenol	84852-15-3	60 - 100
Triethylenetetramine (TETA)	112-24-3	30 - 60
Other ingredients are not listed because they are either not hazardous or are below cut-off/concentration thresholds.		

Section 4 First-Aid Measures

Eye Contact: Rinse thoroughly for at least 15 minutes with water, holding the eyelids open to be sure the material is washed out. Remove any contact lenses if safe and easy to do. Continue rinsing. Get medical attention. Do not use eye ointment.
Skin Contact: Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water. Wash contaminated clothing before reuse. Discard clothing that cannot be decontaminated. Get medical attention if irritation develops or persists.
Inhalation: Remove person to fresh air. If breathing is labored, administer oxygen. If not breathing administer artificial respiration. Consult a physician.
Ingestion: If swallowed, seek medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

Section 5 Fire-Fighting Measures

Extinguishing Media

Use water fog, foam, carbon dioxide, or dry chemical. Use water spray to cool fire-exposed containers. Water or foam may cause frothing. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or spread fire.

Hazardous combustion products

During a fire, burning can produce oxides of nitrogen, carbon monoxide and/or carbon dioxide.

Special Protective Equipment & Precautions for Fire-Fighters

Conditions of flammability: Non-flammable
Wear positive pressure, self-contained breathing apparatus, and full-body protective clothing.

Section 6 Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate protective equipment and clothing. Avoid contact with liquid and vapors.

Environmental Precautions

Avoid releases to the environment. Consult local authorities.

Section 6 Accidental Release Measures

Methods and Materials for Containment and Cleanup

Avoid contact with material. Evacuate all non-essential personnel. Keep spark producing equipment away. Dike area to prevent spill spreading and soak up with absorbent material such as sand, or polypropylene or polyethylene fiber products and collect in suitable containers. Residual resin may be removed using steam or hot soapy water. Dispose of absorbent material in accordance with regulations.

Section 7 Handling and Storage

Safe Handling

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Maintain emergency eye wash stations and showers near working area. Do not eat, drink, or smoke in the work area.

Safe Storage

Keep containers tightly sealed when not in use. Store away from heat, ignition sources; and store away from incompatible materials. Store the material in a cool, dry, and well-ventilated area.

Section 8 Exposure Controls/Personal Protection

Occupational Exposure Limits

None established.

Engineering controls

Good general ventilation is sufficient for most conditions. Avoid breathing mists if general ventilation or local exhausts is inadequate; persons exposed to mists should wear appropriate NIOSH/MSHA approved breathing devices.

Personal Protective Equipment (PPE)

Respiratory Protection: Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH/MSHA approved respirators.

NOTE: If grinding or sanding cured material, use NIOSH or OSHA approved respiratory protection.

Skin Protection: Use protective clothing impervious to this product. Selection of specific items such as face shield, gloves, boots, apron or full-body suit will depend on operation. Remove contaminated clothing immediately, wash skin with soap and water; and launder clothing before reuse.

Eye Protection: Wear chemical safety glasses with side shields or splash-proof goggles.

Section 9 Physical and Chemical Properties

Appearance	Yellow amber liquid
Odor	Amine
Odor Threshold	No data available
pH	11.7
Melting/Freezing Point	No data available
Boiling Point	429°F (220.6°C)
Flash Point (PMCC)	330.8°F (166°C)
Evaporation Rate	No data available
Flammability Limits	No data available
Vapor Pressure	0.13 kPa at 20°C
Vapor Density (Air = 1)	7.59
Specific gravity (gm/cm3)	1.0
Solubility in water	>10%

Section 9 Physical and Chemical Properties

Coefficient: n-Octanol/Water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
VOC Content	0%

Section 10 Stability and Reactivity

Reactivity

Not normally reactive.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Avoid heating up the product. Hazardous polymerization will not occur by itself, but masses of more than 1 lb. of epoxy resin combined with this product will cause irreversible polymerization with considerable heat buildup.

Conditions to Avoid

Avoid excessive heat, strong oxidizers, acids and bases.

Incompatible Materials

CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations.

Unusual Explosion Hazards

Extinguish all nearby sources of ignition since vapors decompose to toxic products at high temperatures. When exposed to heat, closed containers may explode. Contact with strong oxidizers may cause fire or explosion.

Section 11 Toxicological Information

Routes of entry

Eye contact: Causes irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.

Skin contact: Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material. Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction.

Inhalation: Vapour is irritating and may cause excessive tear formation, burning sensation of the nose and throat, coughing, wheezing, shortness of breath, nausea, and vomiting. Extremely high vapor concentrations may cause lung damage. Some individuals may develop asthma.

Ingestion: Causes burning of mouth, throat, and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

Aspiration Hazard: Not likely to present a hazard

Section 11 Toxicological Information

Acute Toxicity Values

Ingredient Name	CAS Number	Toxicity Data
Nonylphenol	84852-15-3	Oral LD50 (Rats): 1,412 mg/kg Dermal LD50 (Rabbits): 2,031 mg/kg
Triethylenetetramine (TETA)	112-24-3	Oral LD50 (Rats): 1,716 mg/kg Dermal LD50 (Rabbits): 1,465 mg/kg

Effects of acute exposure to product

Skin contact may cause sensitization and an allergic skin reaction and may aggravate an existing dermatitis. Cross-sensitization may occur by skin contact with this material and other amines.

Effects of chronic exposure to product

Repeated skin contact: May cause persistent irritation or dermatitis.
Repeated inhalation: May cause lung damage. Overexposure to vapor, dust or mist may aggravate existing respiratory conditions, such as asthma, bronchitis, and inflammatory or fibrotic respiratory disease.
Repeated oral exposures: May cause kidney and liver changes.
Respiratory Sensitization: Not available
Skin Sensitization: Not available
Germ Cell Mutagenicity: In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.
Carcinogenicity: Not listed as a carcinogen by NTP, IARC, OSHA and ACGIH
Reproductive Toxicity: Not available
Teratogenicity: Laboratory animals that were fed exaggerated doses of Triethylenetetramine(TETA) showed adverse fetal effects that were believed to be associated with an observed copper deficiency. For the minor component(s): Has caused birth defects in laboratory animals. Has been toxic to the fetus in laboratory animal tests.

Section 12 Ecological Information

Toxicity	Toxic to aquatic life with long lasting effects. Do not release into waterways.
Persistence and Degradability	Material is not readily biodegradable
Bioaccumulative Potential	No data available.
Mobility in Soil	No data available.

Section 13 Disposal Considerations

Dispose of according to local, state, and federal regulations. Do not release into drains or sewers. Dispose of any unused, uncontaminated, as well as contaminated product, by a properly licensed company.

Section 14 Transport Information

DOT, TDG

UN Number: UN2259
Proper Shipping Name: Triethylenetetramine
Hazard Class: 8
Packing Group: II
Marine Pollutant: Yes

Section 15 Regulatory Information

CERCLA Hazardous Substances: This product is not subject to reporting under CERCLA.
SARA Title III Section 302 Extremely Hazardous Substances: None
SARA Title III Section 313 Toxic Chemicals: 4-Nonylphenol, branched (84852-15-3) Listed-N530
Clean Air Act Section 112r: None
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed.
Canadian Environmental Protection Act (CEPA) Status: All components are listed on either the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).
WHMIS: D1B, D2B, E
REACH Status: Contains CAS 84852-15-3 listed as a Substance of Very High Concern (SVHC) on the European Union REACH candidate list due to its endocrine-disrupting properties.

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.

SDS Revision History

Date of initial release: November 6, 2026
Date of previous revision: N/A
Current revision date: November 6, 2026