

## Safety Data Sheet

### Freeman 706 Part A (Resin)

#### Section 1 Identification

**Product identifiers**

Product name: Freeman 706 Epoxy Surface Coat Part A (Resin)

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

Identified uses: Epoxy resin for industrial use only

**Details of the supplier of the safety data sheet**

Freeman Manufacturing & Supply Company

1101 Moore Road, Avon, OH 44011 USA

Telephone: +1 (440) 934-1902

Email: contactus@freemansupply.com

**24 Hour emergency telephone number:**

**CHEMTREC (800) 424-9300**

HMIS	
<b>H</b>	2
<b>F</b>	1
<b>R</b>	0
<b>PPE</b>	
Sec. 8	

#### Section 2 Hazards Identification

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

Skin Irritation, Category 2

Eye Irritation, Category 2A

Skin Sensitization, Category 1

Acute Toxicity Oral, Category 4

**Label elements, including precautionary statements**



Warning

**Hazard Statements**

Causes eye irritation.

Causes skin irritation.

Causes skin sensitization.

Harmful if swallowed.

**Precautionary Statements**

**Prevention**

Keep container tightly closed when not in use.

Wear protective gloves/eye protection/face protection.

Use only outdoors or in a well-ventilated area.

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

Wash skin and face thoroughly after handling.

**Response**

If on skin: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

If in eyes: Rinse continuously with water for at least 15 minutes.

Remove contact lenses, if present and easy to do.

If eye irritation persists: Get medical advice/attention.

**Storage**

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

**Disposal**

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

## Safety Data Sheet

### Freeman 706 Part A (Resin)

#### Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Concentration (%)
Epoxy Resin	25068-38-6	< 70
Diglycidyl Ether	17557-23-2	>10
Talc	14807-96-6	<90

#### Section 4 First Aid Measures

##### Description of first aid measures

###### If inhaled

Move person into fresh air and keep at rest in a position comfortable for breathing. If not breathing, provide artificial respiration. Get medical attention.

###### In case of skin contact

Wash off with soap and plenty of water. Get medical attention if symptoms occur.

###### In case of eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation develops.

###### If swallowed

Clean mouth with water. Do not induce vomiting. Get medical attention immediately.

##### Most important symptoms and effects, both acute and delayed

**Eye contact:** Causes eye irritation.

**Skin contact:** Causes skin irritation.

##### Indication of any immediate medical attention and special treatment needed

**Inhalation:** No specific data

**Ingestion:** No specific data.

**Skin contact:** Adverse symptoms may include the following: Irritation, redness

**Eye contact:** Adverse symptoms may include the following: Pain or irritation, watering, redness

#### Section 5 Fire-Fighting Measures

##### Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media: High volume water jet.

##### Special hazards arising from the substance or mixture

None known

##### Hazardous thermal decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, and undetermined organics

##### Special firefighting procedures

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

##### Unusual fire or explosion hazards

May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.

**Section 6 Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

For personal protection see section 8.

**Environmental precautions**

Do not let product contact soil, waterways, drains or sewers.

**Methods and materials for containment and cleaning up**

Dike and contain spill with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in suitable containers for disposal.

**Section 7 Handling and Storage**

**Precautions for safe handling**

Ensure good ventilation at the workplace. Empty containers retain product residue, so obey hazard warnings with empty containers.

**Conditions for safe storage, including any incompatibilities**

For safe storage, store at or below 72°F (22°C). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

None

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

**Personal protective equipment**

**Eye/face protection:** Use safety glasses equipped with side shields, or goggles.

**Hand protection:** Use butyl-rubber, nitrile rubber, or other solvent-resistant gloves.

Consult glove manufacturer. Contaminated gloves should be replaced.

**Body protection:** Prevent skin contact when handling material.

**Respiratory protection:** The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

**Safety stations**

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

**General hygienic practices**

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

## Safety Data Sheet

### Freeman 706 Part A (Resin)

#### Section 9 Physical and Chemical Properties

<b>Appearance</b>	Opaque white liquid
<b>Odor</b>	Mild
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point</b>	No data available
<b>VOC Content</b>	None
<b>Initial boiling</b>	>400°F
<b>Flash Point</b>	>300°F
<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</b>	< 1 mmHg
<b>Vapor density</b>	No data available
<b>Relative density (g/cc)</b>	1.45
<b>Water Solubility</b>	Slight
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	None
<b>Oxidizing Properties</b>	None
<b>% Volatile</b>	0%

#### Section 10 Stability and Reactivity

##### Reactivity

Stable under recommended storage conditions.

##### Chemical stability

In normal storage hazardous reaction will not occur, reacts with amines.

##### Possibility of hazardous reactions

None known.

##### Conditions to avoid

Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Failure to observe this precaution may result in excessive heat build-up causing exotherm.

##### Incompatible materials

Keep away from strong oxidizing agents, strong Lewis or mineral acids.

##### Hazardous decomposition products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons and undetermined organics.

#### Section 11 Toxicological Information

##### Information on toxicological effects

<b>Acute Oral toxicity</b>	No data available
<b>Acute Inhalation toxicity</b>	No data available
<b>Acute Dermal toxicity</b>	No data available

## Safety Data Sheet

### Freeman 706 Part A (Resin)

#### Section 11 Toxicological Information

<b>Skin corrosion/irritation</b>	May cause irritation to the skin. May cause an allergic skin reaction.
<b>Serious eye damage/eye irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitization</b>	May cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
<b>Reproductive toxicity</b>	Not expected to be a hazard
<b>Specific target organ toxicity - single exposure</b>	None expected
<b>Specific target organ toxicity - repeated exposure</b>	None expected

#### Section 12 Ecological Information

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT &amp; vPvB assessment</b>	No data available

#### Section 13 Disposal Considerations

Do not allow product to enter drains, water courses, or the soil. Contact a licensed waste management company for detailed recommendations. Dispose of as a hazardous waste in compliance with all local and national regulations. Unused product, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

#### Section 14 Transport Information

<b>Land Transport (DOT)</b>	Non- Regulated
<b>Marine Transport (IMDG)</b>	Non-Regulated
<b>Air Transport (IATA)</b>	Non-Regulated

#### Section 15 Regulatory Information

##### US Federal Regulations

TSCA Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
 SARA 302 EHS: No reportable components  
 SARA 311/312 Codes: Immediate health hazard, Delayed health hazard  
 SARA 313 Toxic Chemical: No reportable components

**Section 15 Regulatory Information**

**US State Regulations**

California Proposition 65: No California Proposition 65 listed chemicals are known to be present. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Canadian Regulations**

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**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.

Date of initial release: December 1, 2015  
Date of previous revision: October 31, 2018  
Current revision date: August 23, 2024

**Freeman 706-45 Part B (Hardener)**

**Section 1 Identification**

**Product identifiers**

Product name: Freeman 706-45 Epoxy Surface Coat Part B (Hardener)

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

Identified uses: Epoxy system catalyst component for industrial use only

**Details of the supplier of the safety data sheet**

Freeman Manufacturing & Supply Company

1101 Moore Road, Avon, OH 44011 USA

Telephone: +1 (440) 934-1902

Email: contactus@freemansupply.com

**24 Hour emergency telephone number:**

**CHEMTREC (800) 424-9300**

**HMIS**

<b>H</b>	2
<b>F</b>	1
<b>R</b>	0
<b>PPE</b>	
Sec. 8	

**Section 2 Hazards Identification**

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

Eye Irritation, Category 2A

Skin Irritation, Category 2

Skin Sensitization, Category 1

Acute Toxicity Oral, Category 4

**Label elements, including precautionary statements**



**Warning**

**Hazard Statements**

Causes eye irritation.

Causes skin irritation.

Causes skin sensitization.

Harmful if swallowed.

**Precautionary Statements**

**Prevention**

Keep container tightly closed when not in use.

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

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

Use only outdoors or in well-ventilated area.

Wash skin thoroughly after handling.

**Response**

If on skin: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

If in eyes: Rinse continuously with water for at least 15 minutes.

Remove contact lenses, if present and easy to do.

If eye irritation persists: Get medical advice/attention.

**Storage**

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

**Disposal**

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

**Freeman 706-45 Part B (Hardener)**
**Section 3 Composition/Information on Ingredients**

Ingredient Name	CAS Number	Concentration (%)
Safety Adducted Modified Polyamine Epoxy Curing Agent	68610-56-0	>10

**Section 4 First Aid Measures**
**Description of first aid measures**
**If inhaled**

Move person into fresh air and keep at rest in a position comfortable for breathing. If not breathing, provide artificial respiration. Get medical attention.

**In case of skin contact**

Wash off with soap and plenty of water. Get medical attention if symptoms occur.

**In case of eye contact**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation develops.

**If swallowed**

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Provided the patient is conscious, wash out mouth with water. Get medical attention if symptoms appear.

**Most important symptoms and effects, both acute and delayed**

**Eye contact:** Causes eye irritation.

**Skin contact:** Causes skin irritation.

**Indication of any immediate medical attention and special treatment needed**

**Inhalation:** No specific data.

**Ingestion:** No specific data.

**Skin contact:** Adverse symptoms may include the following: Irritation, redness

**Eye contact:** Adverse symptoms may include the following: Pain or irritation, watering, redness

**Section 5 Fire-Fighting Measures**
**Extinguishing media**

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media: High volume water jet.

**Special hazards arising from the substance or mixture**

None known

**Hazardous thermal decomposition products**

Carbon dioxide, carbon monoxide, nitrogen oxides, and undetermined organics

**Special firefighting procedures**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Cartridge respirators do not provide adequate protection for fire fighters or exotherm mitigation. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

**Unusual fire or explosion hazards**

May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.



## Freeman 706-45 Part B (Hardener)

## Section 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

For personal protection see section 8.

**Environmental precautions**

Do not let product contact soil, waterways, drains or sewers.

**Methods and materials for containment and cleaning up**

Dike and contain spill with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in suitable containers for disposal.

## Section 7 Handling and Storage

**Precautions for safe handling**

Ensure good ventilation at the workplace. Empty containers retain product residue, so obey hazard warnings with empty containers.

**Conditions for safe storage, including any incompatibilities**

For safe storage, store at or below 72°F (22°C). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

## Section 8 Exposure Controls/Personal Protection

**Components with workplace control parameters**

None

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

**Personal protective equipment**

**Eye/face protection:** Use safety glasses equipped with side shields, or goggles.

**Hand protection:** Use butyl-rubber, nitrile rubber, or other solvent-resistant gloves.

Consult glove manufacturer. Contaminated gloves should be replaced.

**Body protection:** Prevent skin contact when handling material.

**Respiratory protection:** The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used.

**Safety stations**

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

**General hygienic practices**

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Freeman 706-45 Part B (Hardener)**
**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Light yellow liquid
<b>Odor</b>	Slight
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point</b>	No data available
<b>VOC Content</b>	None
<b>Initial boiling point</b>	No data available
<b>Flash Point</b>	220°F
<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</b>	< 1 mmHg
<b>Vapor density</b>	No data available
<b>Relative density (g/cc)</b>	1.07
<b>Water Solubility</b>	Slight
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	None
<b>Oxidizing Properties</b>	None
<b>% Volatile</b>	0%

**Section 10 Stability and Reactivity**
**Reactivity**

Stable under recommended storage conditions.

**Chemical stability**

In normal storage hazardous reaction will not occur.

**Possibility of hazardous reactions**

None known.

**Conditions to avoid**

Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Failure to observe this precaution may result in excessive heat build-up causing exotherm.

**Incompatible materials**

Keep away from strong oxidizing agents, strong Lewis or mineral acids.

**Hazardous decomposition products**

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons and undetermined organics.

**Section 11 Toxicological Information**
**Information on toxicological effects**

<b>Acute Oral toxicity</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Acute Inhalation toxicity</b>	May cause respiratory tract irritation.
<b>Acute Dermal toxicity</b>	No data available

**Freeman 706-45 Part B (Hardener)**
**Section 11 Toxicological Information**

<b>Skin corrosion/irritation</b>	May cause irritation to the skin. May cause an allergic skin reaction.
<b>Serious eye damage/eye irritation</b>	May cause irritation to eyes.
<b>Respiratory or skin sensitization</b>	May cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
<b>Reproductive toxicity</b>	Not expected to be a hazard
<b>Specific target organ toxicity</b>	
- single exposure	None expected
<b>Specific target organ toxicity</b>	
- repeated exposure	None expected

**Section 12 Ecological Information**

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT &amp; vPvB assessment</b>	No data available

**Section 13 Disposal Considerations**

Do not allow product to enter drains, water courses, or the soil. Contact a licensed waste management company for detailed recommendations. Dispose of as a hazardous waste in compliance with all local and national regulations. Unused product, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

**Section 14 Transport Information**

<b>Land Transport (DOT)</b>	Non- Regulated
<b>Marine Transport (IMDG)</b>	Non-Regulated
<b>Air Transport (IATA)</b>	Non-Regulated

**Section 15 Regulatory Information**
**US Federal Regulations**

TSCA Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
 SARA 302 EHS: No reportable components  
 SARA 311/312 Codes: Immediate health hazard, Delayed health hazard  
 SARA 313 Toxic Chemical: No reportable components

**Section 15 Regulatory Information****US State Regulations**

California Proposition 65: No California Proposition 65 listed chemicals are known to be present. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Canadian Regulations**

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**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.

Date of initial release: December 1, 2015

Date of previous revision: October 31, 2018

Current revision date: August 23, 2024