

Superior Industries, Inc.

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product Name: #1107 Epoxy Primer PART R
Product Use: Paint product.
Print date: 11/20/20FG
Revision Date: 11/20FG

Company Identification

Superior Industries, Inc.
6180 Airways Blvd.
Chattanooga, TN 37421
Manufacturer's Phone: 1-423-899-0467

24-Hour Medical Emergency Phone

In US: 1-800-476-2072; International: 423-899-0467

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Common Name CAS-No.	Approx. Weight %	Chemical name
EPOXY RESIN 25068-38-6	75 - 80	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane
ALKYL GLYCIDYL ETHER 68609-97-2	10 - 15	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.
NONYL PHENOL 25154-52-3	5 - 10	Nonylphenol
BENZYL ALCOHOL 100-51-6	1 - 5	Benzyl alcohol

If this section is blank there are no hazardous components per OSHA guidelines.

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Emergency Overview:

This section not in use.

This product contains ingredients that may contribute to the following potential acute health effects:

Inhalation Effects:

May cause respiratory tract irritation. May cause respiratory tract sensitization.

Eye Contact:

Corneal Injury/eye damage. May cause eye burns.

Skin Contact:

Contains a component which is a known or suspected skin sensitizer. May cause skin burns.

Acute Ingestion:

May be fatal if swallowed.

Other Effects:

None known

This product contains ingredients that may contribute to the following potential chronic health effects:

May cause eye damage and pain. Possible sensitization.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

4. FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

Eye Contact:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and launder before reuse. Remove contaminated shoes and discard.

Ingestion:

If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If swallowed, get medical attention immediately.

Medical conditions aggravated by exposure: Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	200° F (93° C) TCC/PM
Lower explosive limit:	1 %
Upper explosive limit:	7 %
Autoignition temperature:	Not available. ° F (° C)
Sensitivity to impact:	No.
Sensitivity to static discharge:	Sensitivity to static discharge is not expected.
Hazardous combustion products:	See Section 10.

Unusual fire and explosion hazards:

None known.

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Use water spray to cool nearby containers and structures exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Avoid all personal contact.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep away from heat, sparks, and flames. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

Skin protection:

Gloves: Neoprene or other nonporous. Neoprene or plastic apron and protective clothing covering exposed skin areas.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

ACGIH Threshold Limit Value (TLV's)

Common Name CAS-No.	Approx. Weight %	Supplier Recommended
BENZYL ALCOHOL 100-51-6	1 - 5	10 PPM

If this section is blank, no information is available.

9. PHYSICAL PROPERTIES

Odor:	Normal for this product type.
Physical State:	Liquid
pH:	Not determined.
Vapor pressure:	1 mmHG @ 68° F (20° C)
Vapor density (air = 1.0):	3.7
Boiling point:	400° F (204° C)
Solubility in water:	Insoluble.
Coefficient of water/oil distribution:	Not determined.
Density (lbs per US gallon):	9.12
Specific Gravity:	1.09
Evaporation rate (butyl acetate = 1.0):	Not determined.

10. STABILITY AND REACTIVITY

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None known.
Incompatibility:	None known.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.

Sensitivity to static discharge: Sensitivity to static discharge is not expected.

11. TOXICOLOGICAL INFORMATION

Mutagens:

Teratogens:

Carcinogens:

If this section is blank, no information is available.

12. ECOLOGICAL DATA

Not available at this time.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

Proper Shipping Name:	PAINT, NOT REGULATED
UN ID Number:	NRPAIN

49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

International Air Transport Association:

Proper Shipping Name:	PAINT, NOT REGULATED
UN ID Number:	NRPAIN

International Maritime Organization:

Proper Shipping Name:	PAINT, NOT REGULATED
Non-Bulk UN ID Number:	NRPAIN

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

SARA 311/312 Hazard Class:

Acute:	Yes
Chronic:	Yes
Flammability:	No

15. REGULATORY INFORMATION

Reactivity: No
Sudden Pressure: No

U.S. STATE REGULATIONS:

Pennsylvania Right To Know:

BENZYL ALCOHOL	100-51-6
PROPRIETARY RESIN	Trade Secret
PROPRIETARY ADDITIVE	Trade Secret
PROPRIETARY RESIN	Trade Secret

Rule 66 status of product Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories

TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

HMIS Codes

Health:	3*
Flammability:	1
Reactivity:	1
PPE:	X - See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Disclaimer:

The information contained in this Material Safety Data Sheet applies only to the actual Superior product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Superior product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Superior believes to be reliable as of the date hereof. Prior to each use of any Superior product, the user must always read and follow the warnings and instructions on the product's current Technical Data Sheet, product label and Material Safety Data Sheet for each Superior product, which are available at web site and/or telephone number listed in Section 1 of this MSDS.

SUPERIOR MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SUPERIOR SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Superior Industries, Inc.

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product Name: #1107 Epoxy Primer PART H
Product Use: Paint product.
Print date: 09/November/2012
Revision Date: 09/November/2012

Company Identification

Superior Industries, Inc.
6180 Airways Blvd.
Chattanooga, TN 37421
Manufacturer's Phone: 1-423-899-0467

24-Hour Medical Emergency

In US: 1-800-476-2072; International: 423-899-0467

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Common Name CAS-No.	Approx. Weight %	Chemical name
PROPRIETARY ADDITIVE	15 - 20	PROPRIETARY ADDITIVE
ALIPHATIC AMINE UNKNOWN	15 - 20	PROPRIETARY RESIN
PROPRIETARY ADDITIVE	10 - 15	PROPRIETARY ADDITIVE
PROPRIETARY INGREDIENT	5 - 10	PROPRIETARY INGREDIENT
PROPRIETARY INGREDIENT	5 - 10	PROPRIETARY INGREDIENT
PROPRIETARY ADDITIVE	5 - 10	PROPRIETARY ADDITIVE

If this section is blank there are no hazardous components per OSHA guidelines.

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Emergency Overview:

This section not in use.

This product contains ingredients that may contribute to the following potential acute health effects:

Inhalation Effects:

May cause corrosive burns to respiratory passages.

Eye Contact:

Causes Blindness

Skin Contact:

Causes burns.

Acute Ingestion:

May cause severe damage of gastrointestinal tract. Can result in irritation and possible corrosive action in the mouth, stomach tissue and digestive tract. Severe tissue damage may result. Causes burns of the mouth, throat and stomach.

Other Effects:

Contains ingredients which are corrosive.

This product contains ingredients that may contribute to the following potential chronic health effects:

May cause eye damage and pain. Contains a component which is a known or suspected skin sensitizer. May cause redness and blistering of skin. May cause liver damage. Possible sensitization. May cause kidney damage.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

4. FIRST AID MEASURES

Inhalation:

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention. Move person to fresh air. If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. If breathing is difficult, give oxygen. Do not do mouth-to-mouth resuscitation. Contact a physician immediately.

Eye Contact:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing. Flush with plenty of low pressure water for 15 minutes, occasionally lifting eye lids. If irritation persists, consult a physician.

Skin Contact:

Remove contaminated shoes and discard. Remove contaminated clothing and launder before reuse. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention.

Ingestion:

If swallowed, get medical attention immediately. Get immediate medical attention. If victim is conscious and alert, give 2-4 cupfuls of milk or water. If swallowed, DO NOT induce vomiting. If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.

Medical conditions aggravated by exposure: Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

Flash point (Fahrenheit):	200° F (93° C) TCC/PM
Lower explosive limit:	Not available. %
Upper explosive limit:	Not available. %
Autoignition temperature:	Not available. ° F (° C)
Sensitivity to impact:	No.
Sensitivity to static discharge:	Sensitivity to static discharge is not expected.
Hazardous combustion products:	See Section 10.

Unusual fire and explosion hazards:

None known.

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Use water spray to cool nearby containers and structures exposed to fire.

6. ACCIDENTAL RELEASE MEASURES**Action to be taken if material is released or spilled:**

Avoid all personal contact.

7. HANDLING AND STORAGE**Precautions to be taken in handling and storage:**

Keep away from heat, sparks, and flames. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS**Personal Protective Equipment****Eye and face protection:**

Wear chemical goggles with splash shields or face shield. Contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury in case of exposure.

Skin protection:

Gloves: Neoprene or other nonporous. Neoprene or plastic apron and protective clothing covering exposed skin areas.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof.

Exposure Guidelines**OSHA Permissible Exposure Limits (PEL's)****ACGIH Threshold Limit Value (TLV's)**

Common Name CAS-No.	Approx. Weight %	TWA	STEL	Ceiling limits	Skin designations
PROPRIETARY ADDITIVE	10 - 15			0.1 mg/m ³	Can be absorbed through the skin.

If this section is blank, no information is available.

9. PHYSICAL PROPERTIES

Odor:

Normal for this product type.

Physical State:

Liquid

9. PHYSICAL PROPERTIES

pH:	Not determined.
Vapor pressure:	20 mmHG @ 68° F (20° C)
Vapor density (air = 1.0):	5.1
Boiling point:	392° F (200° C)
Solubility in water:	Soluble
Coefficient of water/oil distribution:	Not determined.
Density (lbs per US gallon):	8.05
Specific Gravity:	.96
Evaporation rate (butyl acetate = 1.0):	Not determined.

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None known.
Incompatibility:	Strong oxidizers.
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide. Phenolics. Ammonia compounds. Nitrogen compounds.

Sensitivity to static discharge: Sensitivity to static discharge is not expected.

11. TOXICOLOGICAL INFORMATION

Mutagens:

Teratogens:

Carcinogens:

If this section is blank, no information is available.

12. ECOLOGICAL DATA

Not available at this time.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

Proper Shipping Name:	PAINT
Hazard Class:	8
UN ID Number:	UN3066
Packing Group:	II

U.S. Highway & Rail Shipments

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

International Air Transport Association:

Proper Shipping Name: PAINT
Hazard Class: 8
UN ID Number: UN3066
Packing Group: II

International Maritime Organization:

Proper Shipping Name: PAINT
Hazard Class: 8
Non-Bulk UN ID Number: UN3066
Packing Group: II

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

SARA 311/312 Hazard Class:

Acute: Yes
Chronic: Yes
Flammability: No
Reactivity: No
Sudden Pressure: No

U.S. STATE REGULATIONS:

Pennsylvania Right To Know:

PROPRIETARY ADDITIVE Trade Secret
PROPRIETARY ADDITIVE Trade Secret
PROPRIETARY INGREDIENT Trade Secret
PROPRIETARY INGREDIENT Trade Secret
PROPRIETARY ADDITIVE Trade Secret
ALIPHATIC AMINE UNKNOWN

Additional Non-Hazardous Materials

AMIDOAMINE 68953-36-6

Rule 66 status of product Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories

TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: Not all components in this product are listed on the Domestic Substances List.

16. OTHER INFORMATION

HMIS Codes

Health: 3*
Flammability: 1
Reactivity: 1
PPE: X - See Section 8 for Personal Protective Equipment (PPE).

Abbreviations:

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

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