

Section 1: Product and Company Identification

1.1 Product Identifier

Trade Name SE-d Primecoat (Part A)
Product Number PRSED

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

Recommended Use Protective Coating

1.3 Details of the Supplier of the Safety Data Sheet

Company EPOXYTEC INTL, INC.
3000 N 29 CT
HOLLYWOOD, FLORIDA 33020
Telephone (General): 954-961-4656

1.4 Emergency Telephone Number

3E Company N. America/S. America (+)1.760.476.3962
Contract # 14738 Europe (+)1.760.476.3962
Asia Pacific (+)1.760.476.3960
Middle East/Africa (+)1.760.476.3959

2.1 GHS Label elements, including precautionary statements

Section 2: Hazard(s) Identification

Pictogram(s)		
GHS Hazard Classification	Skin Sensitization, Category 1 Flammable Liquids, Category 2 Acute Toxicity: Skin, Category 4 Skin Corrosion/Irritation, Category 2 Acute Toxicity: Inhalation, Category 4 Serious Eye Damage / Eye Irritation, Category 2A Toxic to Reproduction, Category 2 Aquatic toxicity (Acute), Category 3	
Hazard Statements	H315 H317 H332 H319 H402 H225 H304	Causes skin irritation May cause an allergic skin reaction Harmful if inhaled Causes serious eye irritation. Harmful to aquatic life. Highly flammable liquid and vapor. May be fatal if swallowed and enters airways.
Prevention Statements	P261 P280 P271	Avoid breathing dust/fume/gas/mist/vapors/spra Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.

	P210 P241	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/ equipment.
Response Statements	P303+361+353 P332+313 P305+351+338 P337+313 P301+330+331 P304+340 P370+378	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical aid. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Storage/Disposal	P403+P235 P501	Store in cool/well-ventilated place. Store locked up. Contact a licensed professional waste disposal service to dispose of this material.

2.2 Potential Health Effects (Acute and Chronic):

2.2.1 Inhalation:

Chronic: Inhalation may cause effects similar to those of acute inhalation.
May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause dizziness or drowsiness.

2.2.2 Skin Contact:

May be harmful if absorbed through the skin. Causes skin irritation.

2.2.3 Eye Contact:

Causes eye irritation.

2.2.4 Ingestion:

May be harmful if swallowed. May be harmful if inhaled. Aspiration hazard if swallowed - can enter lungs and cause damage.

Chemical Characterization: Mixture

Description Mixture: Consisting of the following components

Section 3: Composition/Information on Ingredients

<u>CAS #</u>	<u>Hazardous Components (Chemical Name)</u>	<u>Concentration</u>
25068-38-6	Epoxy resin	70.0 – 80.0%
108-88-3	Toluene	20.0 – 30.0%

Section 4: First Aid Measures

4.1 In Case of Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Remove from exposure and move to fresh air immediately. Get medical aid.

4.2 In Case of Skin Contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.

4.3 In Case of Eye Contact:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

4.4 In Case of Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Get medical aid.

4.5 Signs and Symptoms of Exposure:

Lung irritation, Chest pain, Pulmonary edema.

4.6 Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Section 5: Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires apply water from as far away as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective.
- 5.2 Fire Fighting Instructions:** Wear self-contained breathing apparatus for firefighting. Further information. Use water spray to cool unopened containers.
- 5.3 Flammable Properties and Hazards:** Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

Section 6: Accidental Release Measures

- 6.1 Steps To Be Taken In Case Material is Released or Spilled:** Personal precautions.
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental precautions.
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Section 7: Handling and Storage

- 7.1 Precautions To Be Taken In Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.
- 7.2 Precautions to be Taken** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be in carefully resealed and kept upright to prevent leakage. Store in cool place.

Section 8: Exposure Controls/Personal Protection

In Storing: leakage. Keep away from heat, sparks, and open flame.

8.1 Recommended exposure limit

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
25068-68-6	Epoxy resin	N/E	N/E
108-88-3	Toluene	PEL: 200 ppm STEL: 500 ppm CEIL: 300 ppm	TLV: 50 ppm

- 8.2 Respiratory Equipment: (Specify Type):** For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a back-up to engineering controls.
- 8.3 Eye Protection:** Safety glasses with side shield. For a higher degree of protection, wear chemical splash goggles.
- 8.4 Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure, such as butyl rubber or nitrile rubber.
- 8.5 Other Protective Clothing:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- 8.6 Engineering Controls (Ventilation, etc.):** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of day work.
- 8.7 Work/Hygienic/Maintenance Practices:** Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties of Mixture

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Flash Point:	45 °F		
Boiling Point:	232 °F		
Explosive Limits:	LEL: 1.2	UEL: 7.0	
Weight Per Gallon:	8.95 +/- 0.3		
Vapor Pressure (mm Hg):	22 @ 68 °F		
Vapor Density:	Heavier than Air		
Evaporation Rate:	Slower than Ether		
Percent Volatile:	25 (Vol)		

Section 10: Stability and Reactivity

Stability:	Unstable <input type="checkbox"/>	Stable <input checked="" type="checkbox"/>
Conditions to Avoid-Instability:	Heat, flames and sparks	
Incompatibility – Materials to Avoid:	Strong oxidizing agents, acids, amines, bases	
Hazardous Decomposition Or Byproducts:	Nature of decomposition products unknown.	
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/>	Will not occur <input checked="" type="checkbox"/>
Conditions to Avoid – Hazardous Reactions:	Vapors may form explosive mixture with air.	

Section 11: Toxicological Information

Toxicological Information:

Irritation or Corrosion:

Carcinogenicity/Other

Information:

No data available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive hazards: Benzene, Toluene

Section 12: Ecological Information

General Ecological Information:

Harmful to aquatic life.

Persistence and Degradability:

No data available

Bioaccumulative Potential:

No data available

Mobility in Soil:

No data available

Section 13: Disposal Considerations

Waste Disposal Method: This material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Section 14: Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name:

UN1263, Paint Related Material, 3, PG II



**Marine Transport
IMDG Shipping:**

UN1263, Paint Related Material, 3, PG II



AIR TRANSPORT (ICAO/IATA): UN1263, Paint Related Material, 3, PG II
IATA Shipping Name:



Section 15: Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986.) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
25068-38-6	Epoxy resin	No	No	No
108-88-3	Toluene	No	Yes 1000 LB	Yes

All components in this product are listed in the TSCA Inventory List.

V.O.C (mixed) 1.99 LBS/GL (239 GMS/L)

Section 16: Other Information

Explanation and Disclaimer: Each customer or recipient has to become aware of and understand the data given in this SDS and any hazards associated with the product. The information is provided in good faith and believed to be accurate; however, does not appear all inclusive and shall be used only as a guide. Regulatory requirements are subject to change and may differ between various locations, it is buyer's responsibility to ensure that comply with all state, federal or local laws. The information in this document is based on the present state of our knowledge applicable to the product with regard to safety precautions. The information presented in here relates only to the product as shipped, and it is the buyer's responsibility to determine the conditions necessary for the safe use of this product. If you have received this SDS from any source other than Epoxytec International Inc. or its authorized agent, the information contained in it may have been modified from the original document and it may not be the most current revision.

Epoxytec products are designed for Industrial use only.

Revision History:
October 9th, 2019

- Document creation.

END OF SDS

Section 1: Product and Company Identification

1.1 Product Identifier

Trade Name SE-d Primecoat (Part B)
Product Number PRSED

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

Recommended Use Protective Coating

1.3 Details of the Supplier of the Safety Data Sheet

Company EPOXYTEC INTL, INC.
3000 N 29 CT
HOLLYWOOD, FLORIDA 33020
Telephone (General): 954-961-4656

1.4 Emergency Telephone Number

3E Company N. America/S. America (+)1.760.476.3962
Contract # 14738 Europe (+)1.760.476.3962
Asia Pacific (+)1.760.476.3960
Middle East/Africa (+)1.760.476.3959

2.1 GHS Label elements, including precautionary statements

Section 2: Hazard(s) Identification

Pictogram(s)		
GHS Hazard Classification	<p>Acute Toxicity: Skin, Category 4 Acute Toxicity: Oral, Category 4 Flammable Liquids, Category 2 Aspiration Toxicity, Category 1 Serious Eye Damage/Eye Irritation, Category 2A Acute Toxicity: Inhalation, Category 4 Toxic To Reproduction, Category 2 Aquatic Toxicity (Acute), Category 2 Skin Irritation/Corrosion, Category 2</p>	
Hazard Statements	<p>H302 H225 H304 H315 H332 H319 H402</p>	<p>Harmful if swallowed. Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Harmful if inhaled. Causes serious eye irritation. Harmful to aquatic life.</p>

Prevention Statements	P261 P280 P271 P210 P241 P281	Avoid breathing dust/fume/gas/mist/vapors/spray Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/ equipment. Use personal protective equipment as required.
Response Statements	P303+361+353 P332+313 P305+351+338 P337+313 P301+330+331 P304+340 P370+378	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical aid. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Storage/Disposal	P403+P235 P501	Store in cool/well-ventilated place. Store locked up. Contact a licensed professional waste disposal service to dispose of this material.

2.2 Potential Health Effects (Acute and Chronic):

2.2.1 Inhalation:

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

2.2.2 Skin Contact:

Harmful if absorbed through the skin. Causes skin burns. Causes skin irritation.

2.2.3 Eye Contact:

Causes eye burns. Causes eye irritation.

2.2.4 Ingestion:

May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.

Section 3: Composition/Information on Ingredients

Chemical Characterization: Mixture

Description Mixture: Consisting of the following components

<u>CAS #</u>	<u>Hazardous Components (Chemical Name)</u>	<u>Concentration</u>
2855-13-2	Isophoronediamine	30.0 – 40.0%
84852-15-3	Phenol, 4-nonyl-, branched	30.0 – 40.0%
108-88-3	Toluene	20.0 – 28.0%

Section 4: First Aid Measures

4.1 In Case of Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Remove from exposure and move to fresh air immediately. Get medical aid.

4.2 In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.
4.3 In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
4.4 In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Get medical aid.
4.5 Signs and Symptoms of Exposure:	Central nervous system depression. Dermatitis. Abdominal pain, Nausea. Vomiting, Anorexia. Shortness of breath.
4.6 Note to Physician:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Section 5: Fire Fighting Measures

5.1 Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires apply water from as far away as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
5.2 Fire Fighting Instructions:	Use water spray to cool unopened containers. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.
5.3 Flammable Properties and Hazards:	Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

Section 6: Accidental Release Measures

6.1 Steps To Be Taken In Case Material is Released or Spilled:	Personal precautions. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Environmental precautions. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
---	---

Section 7: Handling and Storage

7.1 Precautions To Be Taken Handling:	Normal measures for preventive fire protection. Keep away from sources of ignition - No smoking. Take in measures to prevent the buildup of electrostatic charge.
7.2 Precautions to be Taken In Storing	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls/Personal Protection

8.1 Recommended exposure limit

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
2855-13-2	Isophoronediamine	N/E	N/E
84852-15-3	Phenol, 4-nonyl-, branched	N/E	N/E
108-88-3	Toluene	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 50 ppm

8.2 Respiratory Equipment: For nuisance exposure use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a back-up to engineering controls.

(Specify Type):

8.3 Eye Protection: Safety glasses with side shield. For a higher degree of protection, wear chemical splash goggles.

8.4 Protective Gloves: Wear appropriate protective gloves to prevent skin exposure, such as butyl rubber or nitrile rubber.

8.5 Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

8.6 Engineering Controls (Ventilation, etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

8.7 Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties of Mixture

Physical States:	[] Gas	[X] Liquid	[] Solid
Flash Point:	45 °F		
Boiling Point:	230 °F		
Explosive Limits:	LEL: 1.2	UEL: 7.0	
Weight Per Gallon:	7.85 +/- 0.3		
Vapor Pressure (mm Hg):	22 @ 68 °F		
Vapor Density:	Heavier than Air		
Evaporation Rate:	Slower than Ether		
Percent Volatile:	27 (Vol)		

Section 10: Stability and Reactivity

Stability:	Unstable []	Stable [X]
Conditions to Avoid-Instability:	Heat, flames and sparks.	
Incompatibility – Materials to Avoid:	Strong oxidizing agents, acids, amines, bases.	

Hazardous Decomposition Or Byproducts: Nature of decomposition products unknown
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Section 11: Toxicological Information

Toxicological Information: Acute toxicity. No data available.
Respiratory or skin sensitization: May cause allergic skin reaction. Germ cell mutagenicity. Reproductive toxicity - no data available. Specific target organ toxicity - single exposure (Globally Harmonized System) Specific target organ toxicity –repeated exposure (Globally Harmonized System).
Aspiration hazard

Carcinogenicity/Other Information IARC: Group 3: Not classifiable as to its carcinogenicity to humans 3. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a or potential carcinogen by OSHA.
This product contains substances known to the State of California to cause Cancer, Birth Defects, or other reproductive hazards: Benzene, Toluene.

Section 12: Ecological Information

General Ecological Information: Harmful to aquatic life.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available

Section 13: Disposal Considerations

Waste Disposal Method: Dispose of as unused product. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material

Section 14: Transport Information

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: UN1263, Paint Related Material, 3, PG II



**Marine Transport
IMDG Shipping:**

UN1263, Paint Related Material, 3, PG II



**AIR TRANSPORT (ICAO/IATA):
IATA Shipping Name:**

UN1263, Paint Related Material, 3, PG II



Section 15: Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986.) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
2855-13-2	Isophoronediamine	No	No	No
108-88-3	Toluene	No	Yes 1000 LB	Yes
84852-15-3	Phenol, 4-nonyl-, branched	No	No	No

All components in this product are listed in the TSCA Inventory List.

V.O.C (mixed) 1.99 LBS/GL (239/ GMS/L)

Section 16: Other Information

Explanation and Disclaimer: Each customer or recipient has to become aware of and understand the data given in this SDS and any hazards associated with the product. The information is provided in good faith and believed to be accurate; however, does not appear all inclusive and shall be used only as a guide. Regulatory requirements are subject to change and may differ between various locations, it is buyer's responsibility to ensure that comply with all state, federal or local laws. The information in this document is based on the present state of our knowledge applicable to the product with regard to safety precautions. The information presented in here relates only to the product as shipped, and it is the buyer's responsibility to determine the conditions necessary for the safe use of this product. If you have received this SDS from any source other than Epoxytec International Inc. or its authorized agent, the information contained in it may have been modified from the original document and it may not be the most current revision.

Epoxytec products are designed for Industrial use only.

Revision History:

October 9th, 2019

- Document creation.

END OF SDS