

Safety Data



1. Identification of Substance:

Product Name: GreenPrime Epoxy Primer A-Side
Product Use: Epoxy Primer
Field of Application: Coating for Roofing Applications

Company Details:
Green Shield Products
Address:
 40 Cypress Creek Parkway #338
 Houston, Texas 77090
Telephone:
 877-476-7453
24-Hr. Emergency Phone Number:
 CHEMTREC (800) 424-9300

2. Hazards Identification

GHS Ratings:

Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: \geq 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment is urgent (see Section 4 First Aid measures)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention



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P337+P313
P405
P501

Get medical advice/attention
Store locked up
Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

Signal Word: Danger



Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Not expected to be a route of exposure

Ingestion: Consult physician.

Conditions aggravated: None known.

Chronic Effects: Not expected to cause any adverse chronic health effects.

3. Composition/information on ingredients:

Chemical Name	CAS number	Weight Concentration %
4,4'-Isopropylidenediphenol-Epichlorohydrin Co-polymer	25068-38-6	100.00%

4. First Aid Measures:

Inhalation: If symptoms ensue, move to fresh air. If breathing is difficult, give oxygen.

After Eye Contact: Rinse opened eye for at least 15 minutes under running water.

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

After Skin Contact: Clean affected area with soap and plenty of water.

After Swallowing: Consult physician.

Notes to Physician: Treat symptomatically



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5. Firefighting measures

Flash Point: LEL: N/A UEL: N/A

Upper and lower explosive limits listed if known.

Suitable Extinguishing Agents: Water spray, CO2, Foam, Dry chemical

Information about Protection against Explosions and Fires: Closed containers may rupture when exposed to extreme heat.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, and traces of HCN

Protective Equipment: Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

6. Accidental release measures

Person-Related Safety Precautions: Avoid contact with skin and eyes.

Measures for Environmental Protection: Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece) clean surface thoroughly to remove residual contamination.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

7. Handling and Storage

Information for Safe Handling: Avoid contact with skin or inhalation.

Storage Requirements: Store in dry, well ventilated area. Keep containers tightly closed. Store between 60°F-100°F. Material may settle.

Regulatory Requirements: Store according to all local, state, and federal regulations



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8. Exposure Controls and Personal Protection:

None

Engineering Controls: No specific measures required if proper PPE precautions are followed.

General Protective and Hygienic Measures: Usual precautionary measures should be adhered to when handling chemicals.

Personal Protective Equipment:

Respiratory Protection: None required if work area is properly ventilated.

Hand Protection: Protective chemical resistant gloves.

Eye Protection: Safety glasses with side shields.

Body Protection: Protective work clothing. Launder separately.

Contaminated Gear: Observe local requirements. Dispose of in accordance with local/state/federal regulations.

9. Physical and Chemical Properties:

Physical properties listed where known.

Appearance: White Liquid Vapor Pressure: N/A Vapor Density: N/A Specific Gravity: 1.41 Freezing point: N/A Boiling range: 2500 - 3000°C Evaporation rate: N/A Explosive Limits: N/A Autoignition temperature: 371°C	Odor: Faint aromatic odor Odor threshold: N/A pH: N/A Melting point: N/A Solubility: N/A Flash point: 999°F, 999°C Flammability: N/A Partition coefficient (n-octanol/water): N/A Decomposition temperature: N/A
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10. Stability and Reactivity:

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

Hazardous Polymerization: Not expected to occur.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, traces of HCN.

11. Toxicological Information:

Mixture Toxicity

Component Toxicity

123-91-1 1,4-Dioxane
Oral LD50: 4,200 mg/kg (Rat) Inhalation LC50: 49 mg/L (Rat)

Toxicity Values Listed if Known

Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Liquid may cause irritation.

Ingestion: Consult physician.

Chronic Effects: Not expected to cause any adverse chronic health effects.

Routes of Entry: Inhalation, ingestion, skin contact, eye contact

Target Organs: None known

Chemicals with Known or Possible Carcinogenic Effects:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
123-91-1	1,4-Dioxane	0.1 to	1,4-Dioxane: IARC group 2B - Possibly carcinogenic to humans
1317-65-3	Limestone	50 to	Limestone
13463-67-7	Titanium dioxide	5 to 10%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
75-07-0	Acetaldehyde	0.1 to	Acetaldehyde: IARC group 1 - Carcinogenic to humans, 2B - Possibly carcinogenic to humans
75-21-8	Ethylene Oxide	0.1 to	Ethylene Oxide: Known Human Carcinogens In OSHA Specifically Regulated Carcinogen list



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12. Ecological Information:

General Information: Based on experience, no adverse effects are to be expected if correct disposal procedures have been followed as indicated in section 13. Individual component ecotoxicity listed if known.

Component Ecotoxicity

13. Disposal considerations

Recommendation: Observe local requirements. Dispose of in accordance with local/state/federal regulations.

Empty Container Precautions: Recondition or dispose of empty container in accordance with governmental regulations. If container is to be disposed, ensure all product residues are removed and container is empty prior to disposal.

14.

14. Transport Information

DOT Regulated Components:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods unless specifically cited below:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
	None			

15. Regulatory Information:

Regulatory References OSHA Hazard Communication Standard 29 CFR §1910.1200

SARA 311/312 Hazard Categories: None of the ingredients are listed or exempt.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute unless otherwise listed:

WARNING: This product can expose you to chemicals listed below, which are known to the State of California to cause cancer, birth defects, or reproductive harm. For more information, visit www.P65Warnings.ca.gov

Benzophenone	Known to the State of California to cause cancer.
Silicon dioxide	Known to the State of California to cause cancer.
Titanium Dioxide	Known to the State of California to cause cancer.
Biocide	Known to the State of California to cause cancer.

Titanium dioxide only requires Proposition 65 notification when in dust form and particles of respirable size



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Massachusetts Right To Know List:

The following ingredients are listed or exempt:

Ammonia
Limestone
Quartz (SiO₂)
Silicon dioxide
Titanium Dioxide
Zinc oxide
Biocide - withheld as TRADE SECRET
Kaolin

New Jersey Right To Know List:

The following ingredients are listed or exempt:

Ammonia
Limestone
Quartz (SiO₂)
Titanium Dioxide
Zinc oxide
Propane-1,2-diol
Biocide - withheld as TRADE SECRET
methyl benzimidazol-2-yl carbamate
Biocide - withheld as TRADE SECRET
Kaolin

Pennsylvania Right To Know List:

The following ingredients are listed or exempt:

Ammonia
Limestone
Quartz (SiO₂)
Silicon dioxide
Titanium Dioxide
Zinc oxide
Propane-1,2-diol
Biocide - withheld as TRADE SECRET
Kaolin

SARA 302 Extremely Hazardous Substances:

None

Chemicals subject to SARA 313 Reporting:

Ammonia	1.0 %
Zinc oxide	1.0 %
Biocide - withheld as TRADE SECRET	1.0 %



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<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Canada	Canada DSL	Yes
US	Toxic Substances Control Act	Yes

16. Other Information:

Safety Data Sheet issued by Product Safety Department

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Green Shield Products. The data on these sheets relates only to the specific material designated herein. Green Shield Products. assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws

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