

Safety Data



1. Identification of Substance:

Product Name: GreenPrime GP Product Use: Coating/Primer for Roof Surfaces Field of Application: building and metal industry Identified uses: Water-borne acrylic primer	Company Details: Green Shield Products Address: 40 Cypress Creek Parkway #338 Houston, Texas 77090 Telephone: (844) 922-2355 24-Hr. Emergency Phone Number: CHEMTREC (800) 424-9300
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2. Hazards Identification

GHS Ratings:

Carcinogen 1A Known Human Carcinogen Based on human evidence

GHS Hazards

H350 May cause cancer

GHS Precautions

P201 Obtain special instructions before use
 P202 Do not handle until all safety precautions have been read and understood
 P281 Use personal protective equipment as required
 P308+P313 IF exposed or concerned: Get medical advice/attention
 P405 Store locked up
 P501 Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

Signal Word: Warning



Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Liquid may cause irritation.

Ingestion: May cause irritation & burns.

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



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3. Composition/information on ingredients:

Chemical Name	CAS Number	Weight Concentration%
Water	7732-18-5	50.00% - 60.00%
Limestone	1317-65-3	10.00% - 20.00%
Titanium dioxide	13463-67-7	1.00% - 5.00%
1,2-Propylene glycol	57-55-6	1.00% - 5.00%
Carbon black	1333-86-4	0.10% - 1.00%
Ammonium hydroxide	1336-21-6	0.10% - 1.00%
Benzophenone	119-61-9	0.10% - 1.00%

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

5. Firefighting measures

Flash Point: 99 C (210 F)

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.

Clean up with water.



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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.

8. Exposure Controls and Personal Protection:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water 7732-18-5	Not Established	Not Established	Not Established
Limestone 1317-65-3	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	Not Established	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Titanium dioxide 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	Not Established
1,2-Propylene glycol 57-55-6	Not Established	Not Established	Not Established
Carbon black 1333-86-4	3.5 mg/m ³ TWA	3 mg/m ³ TWA (inhalable fraction)	NIOSH: 3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)
Ammonium hydroxide 1336-21-6	Not Established	Not Established	Not Established
Benzophenone 119-61-9	Not Established	Not Established	Not Established

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.

Body Protection: Protective work clothing. Launder separately.

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



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9. Physical and Chemical Properties:

Physical properties listed where known.

Appearance: Black liquid Vapor Pressure: N/A Specific Gravity: 1.44 Freezing point: N/A Boiling range: 100 - 3000°C Evaporation rate: N/A Explosive Limits: N/A Autoignition temperature: 371°C	Odor threshold: N/A Vapor Density: N/A pH: N/A Melting point: N/A Solubility: N/A Flash point: N/A 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 isocyanates and strong oxidizing agents.

Hazardous Polymerization: Not expected to occur.

Dangerous Products of Decomposition: Oxides of carbon, oxides of sulfur.

11. Toxicological Information:

Mixture Toxicity

Component Toxicity

119-61-9	Benzophenone
	Dermal LD50: 3,535 mg/kg (Rabbit)

Toxicity Values Listed if Known

Acute Toxicity:

Eyes: May cause irritation & burns.

Skin: Minor potential for irritation.

Inhalation: Liquid may cause irritation.

Ingestion: May cause irritation & burns.

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

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

Target Organs: Eyes, skin

Chemicals with Known or Possible Carcinogenic Effects

CAS Number	Description	% Weight	Carcinogen Rating
119-61-9	Benzophenone	0.1 to 1.0%	Benzophenone: IARC: Possible human carcinogen OSHA: listed
1317-65-3	Limestone	10 to 20%	Limestone:
1333-86-4	Carbon black	0.1 to 1.0%	Carbon black: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
13463-67-7	Titanium dioxide	1 to 5%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed



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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

1,2-Propylene glycol	96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 41 - 47 mL/L [static]; 96 Hr LC50 Pimephales promelas: 51400 mg/L [static]; 96 Hr LC50 Pimephales promelas: 710 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L [Static] 96 Hr EC50 Pseudokirchneriella subcapitata: 19000 mg/L
Ammonium hydroxide	96 Hr LC50 Pimephales promelas: 8.2 mg/L 48 Hr EC50 water flea: 0.66 mg/L; 48 Hr EC50 Daphnia pulex: 0.66 mg/L
Benzophenone	96 Hr LC50 Pimephales promelas: 13.2 - 15.3 mg/L [flow-through]

13. Disposal considerations

Recommendation: Observe local requirements. Dispose of in accordance with local/state/federal environmental control laws.

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:

OSHA HAZARD COMMUNICATION STANDARD: This material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA 311/312 Hazard Categories: None.

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 119-61-9 0.1 to 1.0 % CARC

Carbon black 1333-86-4 0.1 to 1.0 % CARC

Titanium dioxide 13463-67-7 1 to 5 % CARC

Titanium dioxide and Carbon Black only require Proposition 65 notification when in dust form and particles of respirable size

Massachusetts Right To Know List:

Carbon black 1333-86-4 0.1 to 1.0 %

Titanium dioxide 13463-67-7 1 to 5 %

Limestone 1317-65-3 10 to 20 %



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New Jersey Right To Know List:

Carbon black	1333-86-4	0.1 to 1.0 %
1,2-Propylene glycol	57-55-6	1 to 5 %
Titanium dioxide	13463-67-7	1 to 5 %
Limestone	1317-65-3	10 to 20 %

Pennsylvania Right To Know List:

Carbon black	1333-86-4	0.1 to 1.0 %
1,2-Propylene glycol	57-55-6	1 to 5 %
Titanium dioxide	13463-67-7	1 to 5 %
Limestone	1317-65-3	10 to 20 %

SARA 302 Extremely Hazardous Substances:

- None

Chemicals subject to SARA 313 Reporting:

<u>- NoneCountry</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

Date revised: 2021-03-10
 Reviewer Revision 0
 Date Prepared: 10/03/2021



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