

DIAMOND COAT

GHS Safety Data Sheet

Date of Preparation:
3/7/2022

1. Product and Company Identification

Product Name: Diamond Shield
Product Class: Surface protectant/surfactant

Manufacturer: Diamond Coat Epoxy USA
787 Valley Ct
Grand Junction, CO 81505, USA
Phone: 1 (970) 628-1846
Toll Free: 1 (888) 628-0846
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Emergency Phone Numbers: INFOTRAC (24 HRS): USA & CANADA 1 (800) 535-5053
INFOTRAC (24 HRS): INTERNATIONAL +1 (352) 323-3500

2. Hazard Identification

GHS HAZARD STATEMENTS

Skin corrosion/irritation Category 2
H315 Causes skin irritation

GHS Label Elements

Hazard pictograms (GHS-US) 

Hazard statements (GHS-US)

Warning

H303 May be harmful if swallowed, H315- Causes skin irritation, H333- May be harmful if inhaled
P264 Wash face, hands, forearms, clothing thoroughly after handling,
P280 Wear eye protection, face protection, face shield, protective clothing, protective gloves,
P302+P352 If on skin, wash with plenty of water.
P321 Specific treatment (see hazardous or special waste collection point on this label),
P332+P313 If skin irritation occurs, get medical advice/attention,
P362+P364 Take off contaminated clothing and wash it before reuse

Unknown acute toxicity (GHS US): Not Applicable

Other hazards which do not result in classification: No additional information available

3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Wt % Range
None	Prop. Ceramic Compound	No Limits

Additional Information: For the listed ingredient, the exact percentages and identity are being withheld as a proprietary information and intellectual property that is protected under the laws of the state of Colorado. Classification as a non-carcinogen is based on the non-reparability nature of the product.

4. First Aid Measures

First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (Show label if possible).
First-aid measures after inhalation	If showing signs of discomfort or irritation, remove to fresh air. If symptoms persist, get immediate medical attention.
First-aid measures after eye contact	Flush eyes with a large quantity of fresh water for at least 15 minutes. If irritation persists, consult a physician.
First-aid measures after skin contact	Flush from skin and clothing with large amounts of fresh water. If irritation persists, consult physician. Wash contaminated clothing before wearing.
First-aid measures after ingestion	Do not induce vomiting. Take measures to prevent aspiration during any vomiting that may occur. Do not give fluids. Nothing by mouth if unconscious. Get immediate medical attention.
Potential Adverse human health effects and symptoms	Based on available data, the classification criteria are not met
Symptoms/injuries	Not expected to present a significant hazard under anticipated conditions
Symptoms/injuries after skin contact	Irritation.

5. Fire-Fighting Measures

Suitable extinguishing media	Water spray, foam, dry chemical or carbon dioxide.
Reactivity	The product is non-reactive under normal conditions of use, storage and transport.

6. Accidental Release Measures

General measures for non-emergency personnel	Remove ignition sources. Use special care to avoid static electric charges if it can be done safely. No open flames. No smoking.
Emergency procedures for emergency responders	Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes, avoid breathing vapors.
Protective equipment	Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8.
Emergency procedures	Ventilate area, avoid breathing vapors.
Environmental precautions	Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers/public waters.
Methods and material for containment and cleaning up	Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information	Dispose of materials in a safe manner in accordance with local regulations

7. Handling and Storage

Additional hazards when processed	Handle empty containers with care
Precautions for safe handling	Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling this product.
Technical measures	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof. Does not require any specific or particular technical measures equipment.
Storage conditions	Keep only in the original container in a cool, well ventilated place away from hazard. Keep container tightly closed. Keep cool.
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight. Heat sources.

8. Exposure Controls/Personal Protection

Control parameters	
556-67-2 octamethylcyclotetrasiloxane	Not applicable
5131-66-8 3-butoxypropan-2-ol, propylene glycol monobutly ether	Not applicable

Appropriate engineering controls	Ensure good ventilation of the work station.
Environmental exposure controls	Avoid release to the environment.
Personal protective equipment	Wear rubber gloves of a material which is impermeable and resistant to the product and prepared mixtures.
Eye Protection	Wear suitable protective clothing.
Respiratory protection	Avoid all unnecessary exposure.
Hand protection	Wear protective gloves.
Eye protection	Chemical goggles or safety glasses. Safety glasses.
Skin and body protection	Nitrile or PVC gloves.
Other information	Do not eat, drink or smoke during use. These recommendations provide general guidance for handling this product. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

9. Physical and Chemical Properties

Physical State:		Liquid
Appearance:		Clear liquid
Color:		Clear liquid
Odor:		Aromatic
Odor Threshold:	N.D.	
pH		N.D.
Melting point/range		N.D.
Freezing point		N.D.
Boiling point/range		48C; 118F
Flash point		54C; 129F
Relative evaporation rate (butyl acetate=1)	<1	
Flammability (solid, gas)	N.A.	
Vapor pressure		<0.12 hPa
Relative vapor density at 20C	N.D.	
Relative density		0.98@60F
Solubility		Water: < 0.01
Log Pow		N.D.
Auto-ignition temperature	400C	
Decomposition temperature	N.D.	
Viscosity		>=80cP
Viscosity, kinematic		2.2mm ² /s
Viscosity, dynamic		N.D.

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Explosion limits N.D.
 Explosion properties N.D.
 Oxidizing properties N.D.
 No further relevant information available.

10. Stability and Reactivity

Reactivity The product is non-reactive under normal conditions of use, storage and transport.
 Chemical stability Stable under normal conditions.
 Possibility of hazardous reactions Not known to polymerize.
 Conditions to avoid Strong oxidizers
 Incompatible materials Strong oxidizers.
 Hazardous decomposition products Carbon monoxide, carbon dioxide.

11. Toxicological Information

Acute toxicity	Not classified.
Hydrocarbons C10-C12, LD50 oral rat	LD50 > 5000 mg/kg
Hydrocarbons C10-C12, LD50 dermal rat	LD50 > 5000 mg/kg
Hydrocarbons C10-C12, LC50 inhalation rat (mg/l)	LC50 > 5000 mg/m3
Skin corrosion/irritation	Causes skin irritation.
pH	N.D.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
Symptoms/injuries	Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after skin contact	Irritation.
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12. Ecological Information

Ecology - general	No ecological data is available for this material.
Hydrocarbons, C10-C12	
Acute toxicity: (rat)	LC50 > 5000 mg/m3 (vapor)
EC50 Daphnia 1	EL0 1000 mg/l: data for the material
LC50 fish 2	> 500 mg/l (96 h; Brachydanio rerio; nominal concentration)
EC50 Daphnia 2	NOELR < 1 mg/l: data for the material
Threshold limit algae 1	LL0 1000 mg/l: data for the material
Persistence and degradability of Diamond Shield	Not established.
Persistence and degradability of Hydrocarbons, C10-C12 isoalkanes	Not readily biodegradable in water. Low potential for mobility in soil.
Bio accumulative potential of Hydrocarbons, C10-C12 isoalkanes	Not determined.
Mobility in soil	No additional information available.
Effect on global warming	No known effects from this product.
Other information	Avoid release into the environment.

13: Disposal Considerations

Waste treatment methods	Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Product/packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	Avoid release to waterways, drains and sewers.

14: Transport Information

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Department of Transportation (DOT)

Not regulated

TDG

Not applicable

Transport by Sea

Not regulated

Air Transport

Not regulated

15. Regulatory Information	
Disposal methods	Not listed on the United States TSCA (Toxic Substances Control Act) inventory
556-67-2 octamethylcyclotetrasiloxane	Listed on the United States TSCA (Toxic Substances Control Act) inventory
International regulations - CANADA	No additional information available.
International regulations - EU	No additional information available.
National Regulations	No additional information available.
US State regulations	No additional information available.

16. Other Information

H-phrases

H303	May be harmful if swallowed
H315	Causes skin irritation
H333	May be harmful if inhaled

The information provided herein was believed by Diamond Coat Epoxy to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Diamond Coat Epoxy are subject to Diamond Coat Epoxy terms and conditions of sale. DIAMOND COAT EPOXY MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY DIAMOND COAT EPOXY, except that the product shall conform to Diamond Coat Epoxy specifications. Nothing contained herein constitutes an offer for the sale of any product.