

**1. Product and Company Identification**

**Product Code:** LFGRPGSC16  
**Product Name:** Graphene Ceramic Spray Coating  
**Trade Name:** **RENEGADE PRODUCTS**  
**Company Name:** Maverick Abrasives  
4340 E. Miraloma Ave  
Anaheim, CA 92807  
**Web site address:** www.renegadeproductsusa.com  
**Email address:** cs@renegadeproductsusa.com  
**Emergency Contact:** INFOTRAC (800)535-5053  
Contract #914-39

**2. Hazards Identification**

**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2**  
**Toxic To Reproduction, Category 2**  
**Aquatic Toxicity (Chronic), Category 2**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H351 - Suspected of causing cancer .  
H361 - Suspected of damaging fertility or the unborn child .  
H411 - Toxic to aquatic life with long lasting effects.

**GHS Precautionary Phrases:** P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P281 - Use personal protective equipment as required.

**GHS Response Phrases:** P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+313 - IF exposed or concerned: Get medical attention/advice.  
P321 - Specific treatment see ... on this label.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P362 - Take off contaminated clothing and wash before re-use.  
P391 - Collect spillage.

**GHS Storage and Disposal Phrases:** P405 - Store locked up.  
P501 - Dispose of contents/container to ...

**Potential Health Effects (Acute and Chronic):** Hazards not otherwise classified (HNOC) or not covered by GHS -none.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-prop	1.0 -3.0 %	
5131-66-8	2-Propanol, 1-Butoxy-	1.0 -2.0 %	
556-67-2	Cyclotetrasiloxane, Octamethyl-	1.0 -2.0 %	
64742-47-8	Hydrotreated light distillate (petroleum)	< 1.0 %	

### 4. First Aid Measures

**Emergency and First Aid Procedures:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**In Case of Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In Case of Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

**In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Flush eyes with water as a precaution.

**In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Signs and Symptoms Of Exposure:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed:** No data available.

### 5. Fire Fighting Measures

**Flash Pt:** No data. Method Used: Not Applicable

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** No data.

**Suitable Extinguishing Media:** Dry powder. Dry sand, Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

**Unsuitable Extinguishing Media:** Do not use water jet.

**Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary. Further information: Use water spray to cool unopened containers.

**Flammable Properties and Hazards:** No data available. Carbon oxides.

**Hazardous Combustion Products:** No data available.

## 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.  
 For personal protection see section 8. Evacuate personnel to safe areas.

**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.

**Steps To Be Taken In Case Material Is Released Or Spilled:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

## 7. Handling and Storage

**Precautions To Be Taken in Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 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. Storage class (TRGS 510): Flammable liquids

**Other Precautions:** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-prop	No data.	No data.	No data.
5131-66-8	2-Propanol, 1-Butoxy-	No data.	No data.	No data.
556-67-2	Cyclotetrasiloxane, Octamethyl-	No data.	No data.	No data.
64742-47-8	Hydrotreated light distillate (petroleum)	No data.	TLV: 200 mg/m3	No data.

**Personal Protective Equipment Symbols:**



**Respiratory Equipment (Specify Type):**

Respiratory: 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 backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye Protection:**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Protective Gloves:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact.  
 Material: Nitrile rubber, Minimum layer thickness: 0.4 mm, Break through time: 480 min.  
 Splash contact:  
 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is



**Reactions:**  
**Conditions To Avoid -** No data available.  
**Hazardous Reactions:**

### 11. Toxicological Information

**Toxicological Information:** Acute toxicity.  
 No data available.  
 Germ cell mutagenicity: Aspiration hazard: Lungs, Thorax, or Respiration: Dyspnea. Skin and Appendages: Other: Hair.  
 Mouse.  
 Genotoxicity in vitro - mouse - S.typhimurium: Host-mediated assay.  
 Result: negative. Mutagenicity (micronucleus test): Rat. male and female.  
 Suspected human reproductive toxicant.  
 Reproductive toxicity - rat - Inhalation. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

**Irritation or Corrosion:** Skin corrosion/irritation. No data available. Serious eye damage/eye irritation: no data available. Skin: Rabbit.  
 Result: No skin irritation -24.  
 No eye irritation -24.

**Sensitization:** No data available. Maximisation Test. Species: Guinea pig. Result: Does not cause skin sensitisation. (OECD Test Guideline 406))

**Chronic Toxicological Effects:** Specific target organ toxicity - single exposure: No data available.  
 Specific target organ toxicity -repeated exposure: no data available.

**Carcinogenicity/Other Information:** 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.  
 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.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me,	n.a.	n.a.	n.a.	n.a.
5131-66-8	Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-prop				
556-67-2	2-Propanol, 1-Butoxy-	n.a.	n.a.	n.a.	n.a.
64742-47-8	Hydrotreated light distillate (petroleum)	n.a.	n.a.	A4	n.a.

### 12. Ecological Information

**General Ecological Information:** No data available.

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available. Bioaccumulation: Pimephales promelas (fathead minnow) - -0.160 µg/l Bioconcentration factor (BCF): 12,400 Pimephales promelas (fathead minnow) -28 d.  
 Bioconcentration factor (BCF): 14,261

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### 13. Disposal Considerations

**Waste Disposal Method:** Product:  
 Offer surplus and non-recyclable solutions to a licensed disposal company. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Contact a licensed professional waste disposal service to dispose of this material.  
 Contaminated packaging: Dispose of as unused product.  
 Under normal conditions of storage and use, hazardous decomposition products should be produced.

### 14. Transport Information

**LAND TRANSPORT (US DOT):**  
**DOT Proper Shipping Name:**  
**DOT Hazard Class:**  
**UN/NA Number:**

### 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)
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-prop	No	No	No
5131-66-8	2-Propanol, 1-Butoxy-	No	No	No
556-67-2	Cyclotetrasiloxane, Octamethyl-	No	No	No
64742-47-8	Hydrotreated light distillate (petroleum)	No	No	No

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

- |  |   |
|--|---|
| <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flammable (gases, aerosols, liquid, or solid)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Oxidizer (liquid, solid or gas)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric (liquid or solid)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pyrophoric gas</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-heating</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Organic peroxide</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrosive to metal</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Gas under pressure (compressed gas)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No In contact with water emits flammable gas</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Combustible Dust</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Physical) Hazard Not Otherwise Classified (HNOC)</p> | <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Acute toxicity (any route of exposure)</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Skin Corrosion or Irritation</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Serious eye damage or eye irritation</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Respiratory or Skin Sensitization</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Germ cell mutagenicity</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Carcinogenicity</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Reproductive toxicity</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Specific target organ toxicity (single or repeated exposure)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Aspiration Hazard</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Simple Asphyxiant</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Health) Hazard Not Otherwise Classified (HNOC)</p> |
|--|---|

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-prop	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 5A(2), 12(b); CA PROP.65: No; CA TAC, Title 8: No
5131-66-8	2-Propanol, 1-Butoxy-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No
556-67-2	Cyclotetrasiloxane, Octamethyl-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR; CA PROP.65: No; CA TAC, Title 8: No
64742-47-8	Hydrotreated light distillate (petroleum)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

**Regulatory Information:** (NZ) Statement:..... This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017  
(NZ) HSNO Classifications:..... 6.3A, 6.4A, 6.8B, 9.1B  
(NZ) HSNO Group Standard:..... Cleaning Products Subsidiary HSR002530.

## 16. Other Information

**Revision Date:** 05/13/2021

**Hazard Rating System:**

HEALTH		1
FLAMMABILITY		0
PHYSICAL		0
PPE		B

**HMIS:**

**Additional Information About This Product:** The information contained herein is based on data considered to be accurate. However, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of this product.

**Company Policy or Disclaimer:**