

1. Product and Company Identification

Product Code: LFGRPGW16
Product Name: Graphene Wash
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
Aquatic Toxicity (Acute), Category 3
Aquatic Toxicity (Chronic), Category 3



GHS Signal Word: **Warning**

GHS Hazard Phrases: H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H402 - Harmful to aquatic life.
 H412 - Harmful to aquatic life with long lasting effects.

GHS Precautionary Phrases: P264 - Wash hands thoroughly after handling.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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.
 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.

GHS Storage and Disposal Phrases: 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	8.0 -16.0 %	
86438-79-1	Mirataine CB	2.0 -3.0 %	
1643-20-5	Dodecyldimethylamine oxide	1.0 -2.0 %	

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:	Take off contaminated clothing and shoes immediately. 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. Continue rinsing eyes during transport to hospital.
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:	NA
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary. Further information:
Flammable Properties and Hazards:	Carbon oxides.
Hazardous Combustion Products:	No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Environmental Precautions:	Do not let product enter drains.
Steps To Be Taken In Case Material Is Released Or Spilled:	Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling:	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 -8 - 10 deg.C. Store under inert gas.
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	No data.	No data.	No data.

	silazanes, reaction products with 3-(triethoxysilyl)-1-prop			
86438-79-1	Mirataine CB	No data.	No data.	No data.
1643-20-5	Dodecyldimethylamine oxide	No data.	No data.	No data.

Personal Protective Equipment Symbols:



Respiratory Equipment (Specify Type):

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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.

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: 0.11 mm, Break through time: 480 min. 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 advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Other Protective Clothing:

Complete suit protecting against chemicals.

Engineering Controls (Ventilation etc.):

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental Exposure Controls:

Do not let product enter drains.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid		
Appearance and Odor:	Appearance: beige.		
pH:	6-7		
Melting Point:	132.00 C (269.6 F) - 133.00 C (271.4 F)		
Boiling Point:	No data.		
Flash Pt:	NA		
Evaporation Rate:	No data.		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		
Specific Gravity (Water = 1):	No data.		
Density:	0.996 G/CM3		
Solubility in Water:	100%		

Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	100 - 250 cSt

10. Stability and Reactivity

Reactivity:	No data available.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	No data available. In the event of fire: see section 5.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information:	Acute toxicity.
Irritation or Corrosion:	Dermal. No data available. Germ cell mutagenicity: Reproductive toxicity. Aspiration hazard: Skin corrosion/irritation. Skin: Rabbit. Result: Causes severe skin irritation. Serious eye damage/eye irritation: Eyes. Severe eye irritation 24.
Sensitization:	No data available.
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. 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.

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.
	Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-prop				
86438-79-1	Mirataine CB	n.a.	n.a.	n.a.	n.a.
1643-20-5	Dodecyldimethylamine oxide	n.a.	n.a.	n.a.	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.

Mobility in Soil: No data available.

Other adverse effects: No data available.

13. Disposal Considerations

Waste Disposal Method: Product:
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging:

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
86438-79-1	Mirataine CB	No	No	No
1643-20-5	Dodecyldimethylamine oxide	No	No	No

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

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

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

86438-79-1	Mirataine CB	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No; CA TAC, Title 8: No
1643-20-5	Dodecyldimethylamine oxide	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, 9.1D, 9.1C
 (NZ) HSNO Group Standard:..... Cleaning Products Subsidiary HSR002530.

16. Other Information

Revision Date: 06/01/2021

Hazard Rating System:

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL	<input type="checkbox"/>	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: