

**1. Product and Company Identification**

**Product Code:** LFGBS103  
**Product Name:** Bug Remover  
**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**  
**Skin Sensitization, Category 1B**  
**Aquatic Toxicity (Acute), Category 3**  
**Aquatic Toxicity (Chronic), Category 4**



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

**GHS Hazard Phrases:** H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H402 - Harmful to aquatic life.  
H413 - May cause long lasting harmful effects to aquatic life.

**GHS Precautionary Phrases:** P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
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.  
P321 - Specific treatment see ... on this label.  
P332+313 - If skin irritation occurs, get medical advice/attention.  
P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
P362 - Take off contaminated clothing and wash before re-use.  
P363 - Wash contaminated clothing before reuse.

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

**OSHA Regulatory Status:** While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

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

**3. Composition/Information on Ingredients**

CAS #	Hazardous Components (Chemical Name)	Concentration	
1310-73-2	Sodium hydroxide	1.0 -1.5 %	
7732-18-5	Water	80.0 -95.0 %	
NA	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	< 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:** 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:** No data.

**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: No data available.

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

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

### 6. Accidental Release Measures

**Protective Precautions, Protective Equipment and Emergency Procedures:** Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8. Use personal protective equipment. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low 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:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. 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 formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2. 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.

**Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place. Storage class 510): Combustible liquids Non Combustible.

**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
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
7732-18-5	Water	No data.	No data.	No data.
NA	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	No data.	No data.	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
1310-73-2	Sodium hydroxide	California, USA PELs	CEIL: 2 mg/m3 ( )	
		NIOSH	CEIL: 2 mg/m3	

**Personal Protective Equipment Symbols:**

**Respiratory Equipment (Specify Type):** 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). 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.

**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.
<b>Other Protective Clothing:</b>	Complete suit protecting against chemicals.
<b>Engineering Controls (Ventilation etc.):</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Environmental Exposure Controls:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas	[ X ] Liquid	[ ] Solid
<b>Appearance and Odor:</b>	mixture.		
<b>pH:</b>	13		
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	No data.		
<b>Flash Pt:</b>	No data.		
<b>Evaporation Rate:</b>	<=water		
<b>Flammability (solid, gas):</b>	No data available.		
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.	
<b>Vapor Pressure (vs. Air or mm Hg):</b>	< 1		
<b>Vapor Density (vs. Air = 1):</b>	No data.		
<b>Specific Gravity (Water = 1):</b>	1.014	at 25.0 C (77.0 F)	
<b>Density:</b>	8.497 LB/GA		
<b>Solubility in Water:</b>	100%		
<b>Saturated Vapor Concentration:</b>	No data.		
<b>Octanol/Water Partition Coefficient:</b>	No data.		
<b>Percent Volatile:</b>	< 2.0 %		
<b>VOC / Volume:</b>	< 2.0000		
<b>Autoignition Pt:</b>	No data.		
<b>Decomposition Temperature:</b>	No data.		
<b>Viscosity:</b>	n/a		
<b>Explosive Properties:</b>	No data available.		
<b>Oxidizing Properties:</b>	No data available.		

### 10. Stability and Reactivity

**Reactivity:** No data available.

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** No data available. Heat, flames and sparks.

**Incompatibility - Materials To Avoid:** Strong acids, Organic materials.

**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. No data available. Inhalation: Dermal. Germ cell mutagenicity: Reproductive toxicity. Aspiration hazard: Hamster ovary. Result: negative. (OECD Test Guideline 474) Mouse. male. Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

**Irritation or Corrosion:** Skin corrosion/irritation. Result: Tumorigenic:Tumors at site or application. Causes severe burns. Serious eye damage/eye irritation: Eyes: Rabbit. No skin irritation -4 h. Rabbit.

**Sensitization:** Will not occur. Maximisation Test. Species: Guinea pig. Result: Tumorigenic:Tumors at site or application. Does not cause skin sensitisation.

**Chronic Toxicological Effects:** Specific target organ toxicity -single exposure (Globally Harmonized System) 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. IARC: Group 3: Not classifiable as to its carcinogenicity to humans .

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide	n.a.	n.a.	n.a.	n.a.
7732-18-5	Water	n.a.	n.a.	n.a.	n.a.
NA	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	n.a.	3	n.a.	n.a.

## 12. Ecological Information

**General Ecological Information:** (OECD Test Guideline 201))

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

**Persistence and Degradability:** The methods for determining the biological degradability are not applicable to inorganic substances. Biodegradability: aerobic -Exposure time 28. Result: 90.4 % Readily biodegradable.

**Bioaccumulative Potential:** No data available.

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

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

## 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents/container to ... The generations of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incinerators or landfill should be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drain and sewers. See Section 8 for information on appropriate personal protective equipment.

## 14. Transport Information

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** NOT REGULATED PER 49 CFR 173.150.

**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)
1310-73-2	Sodium hydroxide	No	Yes NA	No
7732-18-5	Water	No	No	No
NA	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Serious eye damage or eye irritation                         |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Self-reactive                                 | <input checked="" type="checkbox"/> Yes <input 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  |

[ ] Yes [X] No In contact with water emits flammable gas [X] Yes [ ] No (Health) Hazard Not Otherwise Classified (HNOC)  
 [ ] Yes [X] No Combustible Dust  
 [ ] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-73-2	Sodium hydroxide	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
NA	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

### 16. Other Information

**Revision Date:** 05/17/2019

**Hazard Rating System:**

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

**HMIS:**

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**