

## **SAFETY DATA SHEET**

### **1. Product and Company Identification**

**Product Name:** Blue Buster Deep Blue Rubbing Gel      **Chemical Type:** Water Blend  
**Product Code:** BB100  
**Product Use:** Use as received. CAUTION! Always check compatibility of material with product in an inconspicuous place.

**Manufacturer:** Bike Brite, Inc.      **Revision Date:** 12/9/2015  
**Address:** 25000 Euclid Ave. Suite 200      **Emergency:** 24 Hour Emergency: 1-800-535-5053  
Cleveland, Ohio 44117      International Emergency Number: 1-352-323-3500  
Infotrac: Chemical Emergency

### **2. Hazards Identification**

**Hazard Category:**  
Skin Corrosion/Irritation Hazard Category 2      Eye Damage/Irritation Hazard Category 2B



**Pictogram**

**Signal Word:** WARNING

**Hazard statements :**

May cause skin irritation. May cause serious eye irritation. May cause respiratory irritation

**Precautionary statements**

**Prevention:**

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/ face protection. Wear protective gloves.

**Response:**

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents/container in accordance with local regulation.

### **3. Composition / Information on Ingredients**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Wt %</b>
Water	7732-18-5	>80%
Polyacrylic acid	Confidential	0.3%
Triethanolamine	102-71-6	0.7%
Anhydrous Aluminum Silicate	66402-68-4	17-18%
Aluminum Oxide	1344-28-1	<5%

## 4. First Aid Measures

**After Skin Contact:** If on skin (on hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Call doctor if irritation persists.

**After Eye Contact:** If in eyes: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritated, call doctor.

**After Ingestion:** If swallowed: Rinse mouth. Do NOT induce vomiting.

**Most Important Symptoms/Effects**

**Eye:** Irritation of eyes and skin.

**Skin:** This product can cause mild, transient skin irritation. The severity of irritation will depend on the amount of material that is applied to the skin and the speed and thoroughness that it is removed. Symptoms include redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation (dermatitis).

**Indication of immediate medical attention:** Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep victim under observation.

## 5. Fire Fighting Measures

**Suitable and Unsuitable extinguishing media:**

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

**Specific hazards arising from the chemical:** Carbon oxides may be produced.

**Special protective equipment and precautions for firefighter**

Wear chemical resistant protective equipment and self-contained breathing apparatus (SCBA).

## 6. Accidental Release Measures

**Methods and Materials for containment & cleaning up:**

Stop spill at source Caution: Spilled material may be slippery. If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies. Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

## 7. Handling and Storage

**Handling: KEEP OUT OF REACH OF CHILDREN**

Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor or mists. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing. Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers.

**Storage:** Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials. Do Not Allow to freeze.

## 8. Exposure Controls / Personal Protection

**NOTE:** Exposure to this material can be controlled in many ways. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. This general information can be used to help develop specific control measures. Ensure that control systems are properly designed and maintained. Comply with occupational, environmental, fire, and other applicable regulations.

**Engineering Controls:** If methods of use deviate from the manufacturer's recommendations, attention to methods of vapor reduction will be necessary. Engineering control methods to reduce hazardous exposures are preferred. Methods include mechanical ventilation (dilution and local exhaust), process or personnel enclosure, control of process conditions, and process modification. Administrative controls and personal equipment may also be required. Use local exhaust ventilation to remove the vapors or mist at source and prevent release into the workplace. Exhaust directly to the outside, taking necessary precautions for environmental protection. Supply sufficient replacement air to make up for air removed by exhaust systems.

**Respiratory Protection:** When used as recommended by the manufacturer, use of a respirator may not be required. A trained person responsible for workplace safety must select and maintain the proper respiratory equipment for the intended use of this product

**EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS:** Positive pressure, full-facepiece SCBA; or positive pressure, full-facepiece SAR with an auxiliary positive pressure SCBA.

**ESCAPE:** Gas mask with organic vapor canister; or escape-type SCBA.

**Skin Protection:** Wear clothing to prevent contact with skin. Impervious gloves such as butyl rubber and Viton™, Silver Shield/4H™, or Neoprene rubber, nitrile rubber, or polyvinyl alcohol

### Exposure Guidelines: Components

INGREDIENT:	CAS #	%	OSHA PEL	ACGIH TLV_	Listed As** Carcinogen
Aluminum Oxide	1344-28-1	<5	15 mg/m3*	10 mg/m3	No
Anhydrous Aluminum Silicate	92704-41-1	17-18	5 mg/m3 Resp.	2 mg/m3 Resp.	No
Triethanolamine	102-71-6	0.7%	N/E	5 mg/m3	No
Polyacrylic acid	Confidential	0.3%	N/E	N/E	No

**Eye and Face Protection:** Chemical safety goggles. A face shield may also be necessary.

**Other:** Wear footwear suitable for the workplace. Installation of an eyewash station capable of flushing the eyes for at least 15 minutes.

**Discretion Advised:** Bike Brite, Inc. takes no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

## 9. Physical and Chemical Properties

**Appearance:** white opaque gel

**Odor Threshold:** N/A

**Melting Point/Freezing Point:** 32 F

**Flash Point:** None

**Upper/Lower flammability or explosive limits:** N/A

**Vapor Pressure:** N/A

**Odor:** mild

**PH:** 7-9

**Initial Boiling Point and Boiling** 212 F

**Evaporation Rate:** N/A

**Flammability (solid, gas):** Non flammable

**Vapor Density:** N/A

**Relative Density:** 1.16  
**Partition Coefficient n-octanol/water:** N/A  
**Auto-ignition Temperature:** N/A

**Solubility (ies):** Complete in water  
**Viscosity:** >80,000 cps  
**Decomposition Temperature:** N/A

## 10. Stability and Reactivity

**Stability:** Stable  
**Conditions to Avoid:** Heat, spark, and open flame  
**Incompatibility:** Strong Oxidizing Agents  
**Hazardous Decomposition:** Combustion will produce –Calcium Oxide, Carbon Dioxide, Carbon Monoxide and nitrogen-oxygen compounds.  
**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

**Acute toxicity data for the ingredients:**

### Triethanolamine

<u>Ingredient</u>	<u>LD<sub>50</sub> Oral</u> (mg/kg)	<u>LD<sub>50</sub> Dermal</u> (mg/kg)	<u>LC<sub>50</sub> Inhalation</u> (mg/L, 4 hrs.)
Triethanolamine (TEA)	4 190 (rat)	>2 000 (rabbit)	Not available
Diethanolamine (DEA)	680 (rabbit)	8 180 (rabbit)	Not available

**Skin corrosion / irritation:** Results from tests performed according to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) demonstrated that TEA was not irritating to skin.

**Serious eye damage / irritation:** Results from tests performed according to OECD Guideline 405 (Acute Eye Irritation / Corrosion) demonstrated that TEA was not irritating to eyes.

**Sensitization:** Contact skin allergy has been reported in people occupationally exposed to TEA in the textile industry and in metalworking fluids and to people non-occupationally exposed to TEA in cosmetics and medicines. Negative results have been obtained in animal skin sensitization tests performed according to OECD Guideline 406 (Skin Sensitization).

**Neurological effects:** None reported

**Germ cell mutagenicity:** Evidence from animal studies, cultured mammalian cells, and bacterial studies does not indicate that TEA is a mutagen.

**Carcinogenicity:** IARC (International Agency for Research on Cancer) lists TEA in Group 3 – The agent is not classifiable as to carcinogenicity in humans.

Information for Diethanolamine (DEA): NTP Report: Under the conditions of 2 year dermal studies, there was no evidence of carcinogenic activity of DEA in F344/N rats admin 16, 32 or 64 mg/kg DEA or in female F344/N rats admin 8, 16 or 32 mg/kg. There was clear evidence of carcinogenic activity of DEA in male and female B6C3F1 mice based on increased incidences of liver neoplasms in males and females and increased incidences of renal tubule neoplasms in males. IARC monograph Volume101 reports a mechanism for liver tumor induction in mice exposed to DEA that involves the inhibition of choline uptake in the liver. As humans are less susceptible to choline deficiency than rats or mice, the results may not be predictive of induction of cancer in humans. IARC lists DEA in Group 2B – Possibly carcinogenic to humans. ACGIH designates DEA as A3 – confirmed animal carcinogen with unknown relevance to humans. Diethanolamine is not listed on the NTP Report On Carcinogens.

**Reproductive toxicity:** Limited data from animal studies does not indicate that TEA is a reproductive toxin.

**Developmental effects:** Limited data from animal studies does not indicate that TEA is a developmental toxin.

**Target Organ effects:** In tests with animals, long-term ingestion and skin contact exposures to high doses caused damage to the liver and kidney.

**Aspiration hazard:** Data are not available.

### **Polyacrylic acid**

#### Acute

Eye Irritation Weak to moderate eye irritant. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials.

Skin Irritation Not expected to be a primary skin irritant. Based on data from components or similar materials. Contact dermatitis may occur in sensitive individuals under extreme and unusual conditions of prolonged and repeated contact, such as high exposure accompanied by elevated temperature and occlusion by clothing. This effect may be the result of the product's hygroscopic properties, abrasion, or pH.

Respiratory Irritation If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials. Breathing of dust may cause coughing, mucous production, and shortness of breath.

Dermal Toxicity The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

Inhalation Toxicity Avoid inhalation of dust. Animal studies indicate the inhalation of respirable polyacrylate dust may cause inflammatory changes in the lung.

Oral Toxicity The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.

Dermal Sensitization Not expected to cause skin sensitization. Based on data from components or similar materials.

#### CHRONIC EXPOSURE

Chronic Toxicity A two-year inhalation study in rats exposed to a respirable, water-absorbent sodium polyacrylate dust resulted in lung effects such as inflammation, hyperplasia, and tumors. There were no observed adverse effects at exposures of 0.05 mg/m<sup>3</sup>. In addition, long-term medical monitoring of potentially exposed workers has not revealed lung effects such as those observed in the rat. However, the inhalation of respirable dusts should be avoided by implementing respiratory protection measures and observing the recommended permissible exposure limit of 0.05 mg/m<sup>3</sup>.

Carcinogenicity Not listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

Mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity No data available to indicate product or any components contained at greater than 0.1% may cause birth defect

### **Anhydrous Aluminum Silicate**

Prolonged inhalation of excessive levels of dust may cause a simple pneumoconiosis condition, not normally associated with decrement lung function. In cases of long term exposures to extremely high levels of dust, complicated pneumoconiosis with lung function impairment may occur.

Carcinogenicity Not listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

Mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity No data available to indicate product or any components contained at greater than 0.1% may cause birth defect

## ***12. Ecological Information***

#### **Persistence and**

**Biotic degradability:** No data available

**Water result:** Disperses in water.

**Degradability:** Will biodegrade readily

**Bioaccumulation potential:** Unlikely

**Soil/Sediment Result:** No data available

### 13. Disposal Considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete. Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste.

### 14. Transport Information

Not Regulated

### 15. Regulatory Information

#### Environmental Regulations

##### SARA 311:

**Acute health:** Yes

**Chronic health:** No

**Fire:** No

**Sudden release of pressure:** No

**Reactive:** No

##### SARA 302/304

Component	TPQ	RQ
Diethanolamine		100 lbs

##### SARA 311/312

Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312: Immediate (Acute) Health Hazard.

##### SARA 313

This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR 372:

Component	Reporting Threshold
Diethanolamine	1.0%

#### STATE

**WARNING:** This product may also contain extremely small amounts of one or more naturally-occurring materials known to the State of California to cause cancer, birth defects, or other reproductive harm.

This product contains the following chemicals regulated by New Jersey's Worker and Community Right to Know Act: 102-71-6 Triethanolamine 111-42-2 Diethanolamine

This product contains the following chemicals regulated by Massachusetts' Right to Know Law: 102-71-6 Triethanolamine 111-42-2 Diethanolamine

This product contains the following chemicals regulated by Pennsylvania's Right to Know Act: 102-71-6 Triethanolamine 111-42-2 Diethanolamine

All the chemicals used in this product are TSCA listed.  
Check with your local regulators to be sure all local regulations are met.

## 16. Other Information

**Hazard ratings** This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

**NFPA:** Health: 1 Flammability: 0 Reactivity: 0

**HMIS:** Health: 1 Flammability: 0 Reactivity: 0

**RATING:** 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

**Note:**

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**Revision Date:** 4/12/2016