

## SAFETY DATA SHEET

Date Issued: 01-27-2016

Supersedes: 04-27-2015

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

**Product Name:** Grease Lightning™  
**Product Number:** BPR750001-B  
**Brand:** Brighton Professional™  
**Recommended use:** Degreaser  
**Uses advised against:** Uses other than those identified on the product label are not recommended.  
**Supplier Name:** Staples Contract & Commercial, Inc.  
**Supplier Address:** 500 Staples Drive  
 Framingham MA 01702 USA  
**Supplier Phone Number:** 1-888-322-0912  
**SDS Internet Address:** <http://sds.staples.com>  
**Emergency telephone number:** 1-888-322-0912

## 2. HAZARDS IDENTIFICATION

**Classification for the Undiluted Product**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 2

**GHS Label elements, including precautionary statements****Emergency Overview:**

**Signal word:** **Danger**  
**Hazard Statements:** Causes serious eye damage. Causes skin irritation.  
**Precautionary Statements – Prevention:** Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor/physician immediately.  
**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before use.  
**Hazards not otherwise classified (HNOC):** Not applicable  
**Other information:** Harmful to aquatic life with long lasting effects.  
**Interactions with Other Chemicals:** No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethanolamine	141-43-5	10 - 30
Sodium metasilicate	6834-92-0	1-5
Tetrasodium EDTA	64-02-8	1-5

Balance is water and similar non-hazardous ingredients. No fragrance added.

### 4. FIRST AID MEASURES

<b>General Advice:</b>	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
<b>Eye Contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Seek immediate medical attention/advice.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Inhalation:</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Ingestion:</b>	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

**Most Important Symptoms and Effects:** Burning sensation.

**Notes to Physician:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media:</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific Hazards Arising from the Chemical:</b>	No information available.
<b>Uniform Fire Code:</b>	Irritant: Liquid
<b>Hazardous Combustion Products:</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact:</b>	No.
<b>Sensitivity to Static Discharge:</b>	No.

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.
<b>Environmental Precautions</b>	Prevent from entering soil, ditches, sewers, waterways and/or ground water.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
<b>Storage:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store away from incompatible material. Keep out of the reach of children.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Measures:** General ventilation normally adequate.

### Individual protection measures, such as personal protective equipment

**Eye / Face Protection:** Wear splash-proof, chemical-resistant goggles.

**Skin and Body Protection:** Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical State

**Appearance:** Liquid  
**Color:** Green

**Odor:** Pleasant  
**Odor Threshold:** No information available

### Property

**pH (Conc.)**

### Values

11.0 – 12.0

**Melting / freezing point**

No data available

**Boiling point /boiling range**

No data available

**Flash Point**

No data available

**Evaporation Rate**

No data available

**Flammability**

No data available

**Lower flammability limit**

No data available

**Vapor density**

No data available

**Specific Gravity**

1.041

**Water Solubility**

Soluble in water

**Solubility in other solvents**

No data available

**Partition coefficient: n-octanol/water**

No data available

**Autoignition temperature**

No data available

**Decomposition temperature**

No data available

**Kinematic viscosity**

No data available

**Dynamic viscosity**

No data available

**Explosive properties**

No data available

**Softening Point**

No data available

**VOC Content (by wt)**

0.0% (0.00 g/L)

**Particle Size**

No data available

**Particle Size Distribution**

No data available

This product is compliant with California Air Resources Board (CARB) regulations on Volatile Organic Compounds (VOC).

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

None known based on information supplied.

**Incompatible Materials**

Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information:

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye Contact</b>	Specific test data for this product is not available. Expected to be an irritant based on components. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes.
<b>Skin Contact</b>	Specific test data for this product is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Component Information

Chemical Name / CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-

### Information on toxicological effects

<b>Symptoms</b>	Erythema (skin redness). May cause redness and tearing of the eyes. May cause blindness. Burning.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect.
<b>Target Organ Effects</b>	Respiratory system. Eyes. Skin. Systemic Toxicity.
<b>Aspiration Hazard</b>	No information available.

### Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): 5,802.00 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name / CAS#	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium metasilicate 6834-92-0		96h LC50: = 210 mg/L (Brachydanio rerio)		96h EC50: = 216 mg/L
Tetrasodium EDTA 64-02-8	72h EC50: = 1.01 mg/L (Desmodesmus subspicatus)	96h LC50: = 410 mg/L (Lepomis macrochirus) 96h LC50: = 59.8 mg/L (Pimephales promelas)		24h EC50: = 610 mg/L

<b>Persistence and Degradability:</b>	No information available.
<b>Bioaccumulation:</b>	No information available.

**Other adverse effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** This material is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**California Hazardous Waste Codes** 331

### 14. TRANSPORT INFORMATION

**24-HR EMERGENCY PHONE:** 1-888-322-0912

**DOT/ TDG/ MEX/ ICAO/ IATA/ IMDG/IMO:** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA (US)** Complies  
**DSL (Canada)** All components are listed either on the DSL or NDSL.

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

##### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### CERCLA

This material does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### US State Regulations

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

Chemical Name / CAS#	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Potassium hydroxide 1310-58-13	X	X	X	X	X
Nitilotriacetic acid trisodium salt 5064-31-3		X			
Sodium hydroxide	X	X	X	X	

#### International Regulations

Canada

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards 3</b>	<b>Flammability 0</b>	<b>Instability 0</b>	<b>Physical &amp; chemical Hazards –</b>
<b>HMIS</b>	<b>Health Hazards 3</b>	<b>Flammability 0</b>	<b>Physical Hazard 0</b>	<b>Personal protection X</b>

**Prepared By:** Regulatory Specialist, Staples Brand Group, (508) 253-5000

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact Staples at 1-888-322-0912 or visit our website at [www.staplesadvantage.com](http://www.staplesadvantage.com). Keep Safety Data Sheets filed and organized in an area accessible to workers according to all applicable regulations.

*All information contained in this SDS is provided to the best of Staples Contract & Commercial Inc.'s knowledge. No warranty is made with respect to this information expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the SDS are suitable for their intended use. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this SDS.*