SAFETY DATA SHEET
OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade Name: Graphite Dry Lubricant
Product Code: 8-GS
Revision Date: 01/06/2016

Relevant identified uses of the substance or mixture and uses advised against
Identified Use(s): Lubricant

Company Identification: The Blaster Corporation
8500 Sweet Valley Drive
Valley View, Ohio 44125
Telephone: (216) 901-5800
Fax: (216) 901-5801
Website: www.blastercorp.com

Emergency telephone number: CHEMTREC 24 hr. 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture
OSHA HCS (29 CFR 1910.1200) Flam. Aerosol 1; Liquefied gas; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Asp. Tox. 1

Label elements
This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Hazard Symbol

Signal word(s)
DANGER

Hazard Statement(s)
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes skin irritation.
Causes serious eye irritation.
May be fatal if swallowed and enters airways.
May cause drowsiness or dizziness.

Precautionary Statement(s)
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Use only outdoors or in a well-ventilated area.
Avoid breathing spray.
Protect from sunlight and do not expose to temperatures exceeding 50 ºC/122 ºF.

Wear protective gloves/eye protection.

Wash hands and exposed skin after use.

Keep out of reach of children.

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>% wt. *</th>
<th>CAS No.</th>
<th>Hazard classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillate</td>
<td>30 - 40</td>
<td>Trade Secret</td>
<td>Flam. Liq. 2; H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1; H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 2; H401</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 2; H411</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>30 - 35</td>
<td>67-63-0</td>
<td>Flam. Liq. 2; H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2; H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
</tr>
<tr>
<td>Propane</td>
<td>15 - 20</td>
<td>74-98-6</td>
<td>Flam. Gas 1; H220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Liquefied gas; H280</td>
</tr>
<tr>
<td>Butane</td>
<td>10 - 15</td>
<td>106-97-8</td>
<td>Flam. Gas 1; H220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Liquefied gas; H280</td>
</tr>
</tbody>
</table>

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below:

n-Butanol (CAS No. 71-36-3), <1%
Propylene glycol methyl ester (CAS No. 107-98-2)<1%

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is labored, administer oxygen. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact
Wash affected skin with soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion
Do not give anything by mouth to an unconscious person. Seek medical treatment. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed
Aspiration of droplets may cause pulmonary oedema. May cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media
  Extinguish with carbon dioxide, dry chemical, foam or waterspray.

-Uncsuitable Extinguishing Media
  Do not use water jet.

Special hazards arising from the substance or mixture
Highly flammable vapor (flash point below 23°C).

Advice for fire-fighters
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing vapors.

Environmental precautions
Prevent liquid entering sewers, basements and work pits. Collect spillage.

Methods and material for containment and cleaning up
Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections
None

Additional Information
None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only.

Conditions for safe storage, including any incompatibilities

-Storage temperature
  Store locked up. Keep in a cool, well ventilated place. Protect from sunlight. Store at temperatures not exceeding 50 °C / 122 °F. Keep container tightly closed.

-Incompatible materials
  This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific end use(s)
Lubricant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>(8hr TWA)</th>
<th>(STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>PEL (OSHA)</td>
<td>TLV (ACGIH)</td>
</tr>
<tr>
<td>Alkanes and cycloalkanes (C5 - C8)</td>
<td>-----</td>
<td>-----</td>
<td>1500 mg/m3</td>
</tr>
<tr>
<td>Alkanes and cycloalkanes (C9 - C15)</td>
<td>-----</td>
<td>-----</td>
<td>1200 mg/m3</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>400 ppm</td>
<td>200 ppm</td>
</tr>
<tr>
<td>n-Butanol</td>
<td>71-36-3</td>
<td>100 ppm</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Propylene glycol methyl ester</td>
<td>107-98-2</td>
<td>-----</td>
<td>50 ppm</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>-----</td>
<td>250 ppm</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Aspyx. *a</td>
</tr>
</tbody>
</table>
Recommended monitoring method: NIOSH 1550 (Naphthas); NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C); NIOSH 1400 (alcohols I); NIOSH 1401 (alcohols II); NIOSH 2554 (Glycol Ethers)

Exposure controls
Appropriate engineering controls: Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment
Eye/face protection: Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other): Wear suitable gloves if prolonged skin contact is likely (Butyl rubber)

Respiratory protection: Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls: None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Appearance: Aerosol spray
- Color: Colorless
- Odor: Mild isopropanol odor
- Odor Threshold (ppm): Not available
- pH (Value): Not available
- Melting Point (°C) / Freezing Point (°C): Not available
- Boiling point/boiling range (°C): Not available
- Flash Point (°C): -104 (Propane)
- Evaporation Rate: Not available
- Flammability (solid, gas): Extremely flammable
- Explosive Limit Ranges: 2.1% - 9.5% v/v (Propane)
- Vapor pressure (Pascal): ca. 95 x 10^4 (Propane)
- Vapor Density (Air=1): ca. 1.56 @ 0°C (Propane)
- Density (g/ml): Not available
- Solubility (Water): Not available
- Solubility (Other): Not available
- Partition Coefficient (n-Octanol/water): Not available
- Auto Ignition Point (°C): 450 (Propane)
- Decomposition Temperature (°C): Not available
- Kinematic Viscosity (@40°C): 0.49 mm²/sec (Naphtha (petroleum) hydrotreated light)
- Explosive properties: Not explosive.
- Oxidizing properties: Not oxidizing.

Other information: Not available
SECTION 10: STABILITY AND REACTIVITY

Reactivity
Stable under normal conditions.

Chemical stability
Stable.

Possibility of hazardous reactions
None anticipated.

Conditions to avoid
Avoid contact with heat and ignition sources.

Incompatible materials
Strong oxidizing agents; Strong Acids; Aldehydes; Halogens; Amines; Halogenated Hydrocarbons, Alkalis. Do not use with aluminum equipment at temperatures exceeding 120°F.

Hazardous decomposition product(s)
Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Petroleum distillate (CAS No. Trade Secret) - By analogy with similar materials:

Acute toxicity (calculated / estimated)
Oral: LD50 >5000 mg/kg-bw
Dermal: LD50 >2000 mg/kg-bw
Inhalation: LC50 ≥7.6 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.

Irritation/Corrosivity
Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization
It is not a skin sensitizer.

Repeated dose toxicity
Dermal: NOEL >2000 mg/kg bw (systemic effects)
Inhalation: NOAEC = 1.4 mg/l (Vapor)

Carcinogenicity
It is unlikely to present a carcinogenic hazard to man.

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity
Not to be expected

Reproductive toxicity
Not to be expected

Isopropanol (CAS# 67-63-0):

Acute toxicity
Oral: LD50 = 5.84 g/kg (rat)
Inhalation: LC50 > 1000 ppm (rat) 6 hour(s)
Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s)
May cause drowsiness or dizziness.

Irritation/Corrosivity
Irritating to eyes.

Sensitization
It is not a skin sensitizer.

Repeated dose toxicity
NOAEL = 5,000 ppm (Inhalation)
May cause drowsiness or dizziness.

Carcinogenicity
It is unlikely to present a carcinogenic hazard to man.

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity
There is no evidence of mutagenic potential.

Reproductive toxicity
Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Petroleum distillate (CAS No. Trade Secret) - By analogy with similar materials:

Revision: 01/06/2016
Short term    LL50 (96 hour): 8.2 mg/L (fish)  
EL50 (48 hour): 4.5 mg/L (crustacea)  
EL50 (72 hour): 3.1 mg/L (algae)  
Long Term    NOELR (21 days): 2.6 mg/L (crustacea; reproduction)  
NOELR (72 hour): 0.5 mg/L (algae; growth rate)  
Persistence and degradability    According to OECD criteria the product is not readily biodegradable but inherently biodegradable.  
Bioaccumulative potential    The product has no potential for bioaccumulation.  
Mobility in soil    Not available.  
Results of PBT and vPvB assessment    Not classified as PBT or vPvB.  
Other adverse effects    None known.  
Isopropanol (CAS# 67-63-0):  
Short term    LC50 (96 hour): 10,000 mg/l (Fathead minnow (Pimephales promelas))  
LC50 24hour(s): >10,000 mg/l (Daphnia magna)  
Long Term    NOEC: 3.37 µmol/l (Daphnia magna) (Growth rate)  
Persistence and degradability    Readily biodegradable.  
Bioaccumulative potential    Not available.  
Mobility in soil    Not available.  
Results of PBT and vPvB assessment    Not classified as PBT or vPvB.  
Other adverse effects    None known.  
SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods  
Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.  

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>U.S. DOT</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>1950</td>
<td>1950</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Aerosols, flammable</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>2.1</td>
<td>2.1</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable  

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:  
TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.  
Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>RQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butanol</td>
<td>71-36-3</td>
<td>0.3</td>
<td>5000</td>
</tr>
</tbody>
</table>

SARA 311/312 - Hazard Categories:  
☐ Fire ☑ Sudden Release ☐ Reactivity ☐ Immediate (acute) ☐ Chronic (delayed)  
SARA 313 - Toxic Chemicals (40 CFR 372):
Isopropanol | 67-63-0 | 33
n-Butanol | 71-36-3 | 0.5

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>TPQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

California Proposition 65 List:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Type of Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>----</td>
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</tr>
</tbody>
</table>

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16.

**Date of preparation:** June 11, 2015

**Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:**

**Hazard Statement(s)**
- H220: Extremely flammable gas.
- H222: Extremely flammable aerosol.
- H225: Highly flammable liquid and vapor.
- H226: Flammable liquid and vapour.
- H280: Contains gas under pressure; may explode if heated.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

**Training advice:** None.

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