1. IDENTIFICATION

Product Name: ADHESIVE LUBRICANT BLACK 5-B-1
Product Code: 8510
Document ID: G8510
Revision Number: 1
Prior Version Date: None
Intended Use: Adhesion Promoter for Paint
Restrictions On Use: For Industrial Use Only
Chemical Family: LUBRICANT
Chemical Manufacturer / Importer: JONES-BLAIR® Company, LLC
2728 Empire Central
Dallas, TX 75235
1-214-353-1600
Emergency Telephone Number: ChemTrec Center 1-800-424-9300
International: 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard Pictograms

GHS Classification
Skin Sensitisation Category 1
Skin Corrosion/Irritation Category 2
Carcinogenicity Category 2
Reproductive Toxicity Category 2
Flammable Liquid Category 3
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
Acute Toxicity - Inhalation Vapour Category 4

Signal Word
Warning

Hazard Statements
Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

Precautionary Statements
Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust, fume, mist, vapours or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective
gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.

**Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical attention. Call a POISON CENTER or physician if you feel unwell. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray for extinction.

**Storage**

Store locked up. Store in a cool, well-ventilated place. Keep container tightly closed.

**Disposal**

Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards Not Otherwise Classified (HNOC)**

Not applicable

**Additional Information**

Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Chemical Component</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>40 - 60</td>
</tr>
<tr>
<td>Heavy aromatic solvent naphtha (Petroleum)</td>
<td>64742-94-5</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Rosin</td>
<td>8050-09-7</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>2,2'-Methylenebis(4-methyl-6-tert-butyphenol)</td>
<td>119-47-1</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST-AID MEASURES**

**Inhalation**

Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

**Eye Contact**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin Contact**

Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**Ingestion**

If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

**Most Important Acute Symptoms and Effects**

Not Available

**Most Important Delayed Symptoms and Effects**

Not Available

**Special treatment needed:**

No additional first aid information available
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage.

Unsuitable Extinguishing Media
No data available

Fire and/or Explosion Hazards
Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire.

Hazardous Combustion Products
Carbon dioxide, Carbon monoxide, Sulfur containing gases

Special Protective Equipment and Precautions for Fire-Fighters
Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Methods and Material for Containment and Cleaning Up
Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Follow all protective equipment recommendations provided in Section VIII. Use spark-proof tools and explosion-proof equipment.

Conditions for Safe Storage
Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.

Materials to Avoid/Chemical Incompatibility
Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Component</th>
<th>OSHA PEL</th>
<th>ACGIH TL-TWA</th>
<th>ACGIH STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>150 ppm STEL; 651 mg/m³ STEL</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
<td>100 ppm TWA; 434 mg/m³ TWA</td>
<td>125 ppm STEL; 543 mg/m³ STEL</td>
</tr>
<tr>
<td>Carbon black</td>
<td>3.5 mg/m³ TWA</td>
<td>3.5 mg/m³ TWA</td>
<td></td>
</tr>
<tr>
<td>Naphthalene</td>
<td>10 ppm TWA; 50 mg/m³ TWA</td>
<td>10 ppm TWA; 52 mg/m³ TWA</td>
<td>15 ppm STEL; 79 mg/m³ STEL</td>
</tr>
</tbody>
</table>
Appropriate Engineering Controls
Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.

Respiratory Protection
General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.

Eye Protection
Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Skin Protection
Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.

Other Protective Equipment
Nitrile

General Hygiene Conditions
Follow all protective equipment recommendations provided in Section VIII. Use spark-proof tools and explosion-proof equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
</tbody>
</table>

Odor
No data available

Odor Threshold
No data available

pH
No data available

Melting Point/Freezing Point (°F/°C)
No data available / No data available

Initial Boiling Point and Boiling Range

<table>
<thead>
<tr>
<th>Low (°F)</th>
<th>276.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>High (°F)</td>
<td>380.0</td>
</tr>
</tbody>
</table>

Flammability (solid, gas)
No data available

Upper Flammable/Explosive Limit
7.0

Lower Flammable/Explosive Limit
0.9

Flash Point (°F/°C)
83 / 28

Evaporation Rate
116.00 Ethyl Ether

Vapor Pressure
68°F 10.00 MM HG

Vapor Density
4.00 (air = 1)

Relative Density
0.862

Solubility in Water
Negligible; 0-1%

Partition coefficient: n-octanol/water
No data available

Auto-ignition Temperature
No data available

Decomposition Temperature:
No data available

Volatile Organic Chemicals (g/L)

| (Regulatory, Calculated) | 734.36 |
| (Actual, Calculated)     | 734.36 |

Density
7.65 - 7.85 lbs./Gal

10. STABILITY AND REACTIVITY

Chemical stability
Stable under normal conditions.

Possibility of Hazardous Reactions
No data available

Conditions to Avoid
Sparks, open flame, other ignition sources, and elevated temperatures. Contamination.

Incompatible Materials
Oxidizing agents

Hazardous Decomposition Products
Carbon dioxide, Carbon monoxide, Sulfur containing gases
11. TOXICOLOGICAL INFORMATION

Routes of Exposure
- Inhalation
- Skin contact
- Eye contact

Immediate (Acute) Health Effects by Route of Exposure

**Inhalation Toxicity**
Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.

**Skin Contact**
Can cause moderate skin irritation.

**Skin Absorption**
May be harmful if absorbed through skin.

**Eye Contact**
Causes eye irritation.

**Ingestion Toxicity**
Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Long-Term (Chronic) Health Effects

**Carcinogenicity**
Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)
Possible cancer hazard. Contains carbon black which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)

**Reproductive and Developmental Toxicity**
Xylene may cause adverse reproductive and/or developmental effects. Pregnant women may be at an increased risk from exposure.

**Mutagenicity**
Xylene has been shown to be positive in mutagenicity assays.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Product Toxicology Data

**Oral Acute Toxicity Estimate (ATE)** 33,042.03 mg/kg
**Dermal Acute Toxicity Estimate (ATE)** 2,257.91 mg/kg

Component Toxicology Data

<table>
<thead>
<tr>
<th>Chemical Component</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>Oral LD50</td>
<td>Dermal LD50</td>
<td>Inhalation LC50</td>
</tr>
<tr>
<td>Heavy aromatic solvent naphtha</td>
<td>Oral LD50</td>
<td>Dermal LD50</td>
<td>Inhalation LC50</td>
</tr>
<tr>
<td>(Petroleum)</td>
<td>Oral LD50</td>
<td>Dermal LD50</td>
<td>Inhalation LC50</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Oral LD50</td>
<td>Dermal LD50</td>
<td>Inhalation LC50</td>
</tr>
<tr>
<td>Phenolic Resin</td>
<td>Oral LD50</td>
<td>Dermal LD50</td>
<td>Inhalation LC50</td>
</tr>
<tr>
<td>Carbon black</td>
<td>Oral LD50</td>
<td>Dermal LD50</td>
<td>Inhalation LC50</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>Oral LD50</td>
<td>Dermal LD50</td>
<td>Inhalation LC50</td>
</tr>
</tbody>
</table>

Carcinogen Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen</th>
<th>NTP Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene</td>
<td>2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>2B</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>2B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste
Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Adhesive
Hazard Class: 3
UN Number: UN1133
Packing Group: III
Other: This product qualifies for a limited quantity exception per CFR173.150(b)(3) for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).

IATA Air Shipping Name: Adhesive
IATA Hazard Class: 3
IATA UN Number: UN1133
IATA Packing Group: III

Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA Status
All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

<table>
<thead>
<tr>
<th>SARA EHS Chemicals</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>0.001- 0.01</td>
</tr>
</tbody>
</table>

CERCLA

| Xylene (mixed isomers) | 1330-20-7 | 40 - 60 |
| Ethyl Benzene         | 100-41-4  | 5 - 10  |
| Naphthalene           | 91-20-3   | 1 - 5   |

SARA 313

| Xylene (mixed isomers) | 1330-20-7 | 40 - 60 |
| Ethylbenzene           | 100-41-4  | 5 - 10  |
| Naphthalene            | 91-20-3   | 1 - 5   |

SARA 311/312

| Health (Acute): | Y |
| Health (chronic): | Y |
| Fire (Flammable): | Y |
| Pressure: | N |
| Reactivity: | N |

U. S. State Regulations:
### Safety Data Sheet

**Revision Date:** 06-18-2015  
**Product Code:** 8510

#### California Prop 65 Chemicals

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Benzene</td>
<td>71-43-2</td>
<td>0.001- 0.01</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>0.001- 0.01</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>&lt; 1 ppm</td>
</tr>
</tbody>
</table>

#### Reproductive

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Benzene</td>
<td>71-43-2</td>
<td>0.001- 0.01</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>&lt; 1 ppm</td>
</tr>
</tbody>
</table>

#### Canadian Regulations:

**CEPA DSL:** The components of this product ARE listed on the Canadian Domestic Substances List.

**WHMIS Hazard Class:** B2 D2A

### 16. OTHER INFORMATION

**Revision Date** 06-18-2015  
**Disclaimer**  
This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.