

# MATERIAL SAFETY DATA SHEET

*Product Name:* Conducting Graphite Paint  
*Catalog Number:* 60780  
*DOT Hazard Class:* Flammable Liquid  
*DOT Proper Shipping Name:* Ethyl Methyl Ketone Solution  
*UN/NA ID No.:* UN 1193  
*MSDS Prepared:* 02/06

*Distributed By:* Ladd Research Industries  
83 Holly Court  
Williston, VT 05495  
Tel: (802) 658-4961

## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Ethyl Methyl Ketone	78-93-3	80-90	200 ppm
Carbon Black	1333-86-4	1-5	3.5 mg/m <sup>3</sup>
Graphite	7782-42-5	1-5	15 mppcf
Fluorinated Synthetic Rubber	NA	5-10	NA

## PHYSICAL AND CHEMICAL DATA

*Boiling Point:* 175°F  
*Specific Gravity:* 0.87  
*Vapor Pressure:* 70 mm Hg  
*Percent Volatile:* 87%  
*V.O.C.:* 755 g/l  
*Solubility in Water:* Nil  
*Appearance and Odor:* Thin black liquid; Strong ketone odor.

## FIRE AND EXPLOSION HAZARD DATA

*Flash Point:* 23°F  
*Flammable Limits:* Not available  
*Extinguishing Media:* Foam, carbon dioxide, dry chemical  
*Special Fire Fighting Procedures:* Wear a self-contained breathing apparatus.  
*Unusual Fire and Explosion Hazards:* Keep away from sparks, open flames or other sources of ignition.

## HEALTH HAZARD DATA

*Inhalation:* Can cause nasal and respiratory irritation, dizziness, nausea, headache.  
*Ingestion:* Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
*Eye:* May cause severe irritation, burning sensation, blurred vision.  
*Skin:* Repeated or prolonged contact can cause irritation and dermatitis.

**EMERGENCY AND FIRST AID**

*Inhalation:* Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration and seek medical attention.

*Ingestion:* Keep individual calm. Seek medical attention.

*Eye:* Flush eyes with water for at least 15 minutes. Seek medical attention.

*Skin:* Wash with soap and water. Remove contaminated clothing and launder before reuse.

**REACTIVITY DATA**

*Conditions Contributing to Instability:* Stable.

*Hazardous Polymerization:* Will not occur.

*Incompatibility:* Strong oxidizers.

*Hazardous Decomposition Products:* CO and CO<sub>2</sub>.

**SPILL, DISPOSAL AND STORAGE INFORMATION**

*In Case of Leak, Release, Spill:* Remove all sources of ignition and ventilate area. Apply absorbent material and transfer to containers.

*Waste Disposal Method:* Consult with federal, state and local waste regulations.

*Storage:* Store in an appropriate flammable liquid storage cabinet.

**PROTECTIVE EQUIPMENT AND CONTROL MEASURES**

*Ventilation:* Sufficient local exhaust to maintain exposure below TLV.

*Eye:* Wear chemical splash goggles.

*Glove:* Wear solvent resistant gloves.

*Respirator:* If TLV of product is exceeded, a mechanical or self-contained breathing apparatus is advised.

**TSCA**

All components of this product are listed or are excluded from listing on the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SECTION 313 SUPPLIER NOTIFICATION**

Ethyl methyl ketone is subject to the reporting requirements of Section 313 of SARA Title III.



The information presented is believed to be correct and is the most accurate information available to us at this time. However, Ladd Research makes no warranty, express or implied, and assumes no liability for this information and the product described herein.