

# MATERIAL SAFETY DATA SHEET

*Product Name:* Graphite Paint Extender  
*Catalog Number:* 60781 (Product packaged in Excepted Quantity)  
*DOT Hazard Class:* Flammable Liquid  
*DOT Proper Shipping Name:* Ethyl Methyl Ketone  
*UN/NA ID No.:* UN 1193  
*MSDS Prepared:* 8/2009

*Distributed By:* Ladd Research Industries  
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Williston, VT 05495  
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## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Ethyl Methyl Ketone	78-93-3	>99%	200 ppm (OSHA PEL)

## PHYSICAL AND CHEMICAL DATA

**Appearance:** Clear, colorless liquid.  
**Odor:** Sharp mint-like odor.  
**Solubility:** 29 g in 100 g of water.  
**Specific Gravity:** 0.81 @ 20C/4C  
**pH:** No information found.  
**% Volatiles by volume @ 21C (70F):** 100  
**Boiling Point:** 80C (176F)  
**Melting Point:** -86C (-123F)  
**Vapor Density (Air=1):** 2.5  
**Vapor Pressure (mm Hg):** 78 @ 20C (68F)  
**Evaporation Rate (BuAc=1):** 2.7

## FIRE AND EXPLOSION HAZARD DATA

**Fire:** Flash point: -9C (16F) CC  
**Autoignition temperature:** 404C (759F)  
**Flammable limits in air % by volume:** lel: 1.4; uel: 11.4  
Extremely Flammable.

**Explosion:** Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Sealed containers may rupture when heated. Sensitive to static discharge.

**Fire Extinguishing Media:** Dry chemical, foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

### Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. This highly flammable liquid must be kept from sparks, open flame, hot surfaces, and all sources

of heat and 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**

This product is listed 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.