

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: 9/2011

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 CO₂.

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.