

MATERIAL SAFETY DATA SHEET

Product Name: Conducting Graphite Paint

Other Names: Dag T-502 (formerly named Electrodag 502)

Catalog Number: 60780

DOT Hazard Class: Flammable Liquid

DOT Proper Shipping Name: Ethyl Methyl Ketone Solution

UN/NA ID No.: UN 1193

MSDS Prepared: 02/10

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 ³
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 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

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.



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