

## MATERIAL SAFETY DATA SHEET

---

### 1. Identification of the material and supplier

Product name: Reliable Premium Plus  
Product use: EDM Fluid  
Supplier: EDM Performance Access.  
1400 Pioneer St.  
Brea, Ca 92821  
P. 800.336.2946  
F. 562.694.6228



HMIS:  
HEALTH=1  
FIRE=1  
REACTIVITY=0  
SPECIAL= NONE

---

### 2. Hazards Identification

#### EMERGENCY OVERVIEW

**Appearance** straw-yellow oily liquid

**Odor** Mild hydrocarbon.

#### Precautions

**CAUTION! MAY CAUSE EYE OR SKIN IRRITATION.** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

#### Environmental precautions

Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish.

#### POTENTIAL HEALTH EFFECTS

**Eyes** Irritating to eyes.

**Skin** Repeated or prolonged contact can cause redness, irritation and scaling of the skin (dermatitis).

Normal care and personal hygiene should prevent skin effects.

**Inhalation** Exposure to high concentration of vapors may result in headache and stupor.

**Ingestion** Lung exposure to this product either by prolonged breathing of a mist or vomiting following ingestion, can lead to serious lung injury and possibly death.

---

### 3. Composition/ information on ingredients

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

This product is not formulated to contain ingredients that have exposure limits exceeding those established by US agencies

\*See Section 8 for exposure limits.

---

### 4. First-aid measures

Eye contact	In case of contact with eyes, rinse immediately with a copious amount of water. Get medical attention if irritation occurs.
Skin contact	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
Ingestion	If swallowed, DO NOT induce vomiting. Give several glasses of water to drink. Never give anything by mouth to an unconscious person. Obtain medical attention.

---

### 5. Fire-fighting measures

Flash point	Over 250 °F
Upper/ Lower Flammable Limit (% vol)	<b>Lower explosion limit:</b> Not Determined <b>Upper explosion limit:</b> Not Determined
Autoignition Temperature	Not Determined
Extinguishing media	Water spray or fog, foam, dry chemical, CO2.
Protection of fire-fighters	Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

---

### 6. Accidental release measures

Methods and materials for containment and cleanup	Evacuate the area and eliminate all sources of ignition. Contain and collect spillage with non-combustible absorbent material, (e.g. sand).
---	---

---

---

earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

---

## 7. Handling and storage

### Safe handling advice

Ensure all equipment is electrically grounded before beginning transfer operations.

**Storage/Transport pressure:** Ambient.

---

## 8. Exposure controls/personal protection

**EXPOSURE LIMITS: No exposure limits have been established for this product. We recommend using a Threshold Limit Value (TLV) of 5 mg/m<sup>3</sup> (suggested for oil mists).**

**Engineering Controls:** Air contaminant levels should be controlled below the PEL or TLV for this product

### Personal protective equipment

**Respiratory system** NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators where there may be potential for overexposure.

**Hands** Wear suitable gloves

**Skin and body** Avoid contact with skin clothing. Wear suitable protective clothing.

**Eyes** Safety glasses with side shields.

## 9. Physical and chemical properties

Physical state	Liquid
Color	Very Pale Yellow
Specific gravity 20°/20°C	0.7806
Viscosity	33-35 SUS @ 100 °F
Solubility in water	negligible
Initial Boiling Point Range	490-542 °F
Vapor Pressure	0.05 mm Hg @ 20°C
VOC	Negligible
Density	6.48 #/gal

## 10. Stability and reactivity

Stability	The product is stable.
Incompatibility with various substances/ hazardous reactions	Strong oxidizing agents
Hazardous polymerization	Will not occur.
Decomposition products	Carbon dioxide, carbon monoxide and possible other unidentified organic compounds.

## 11. Toxicological information

### Eyes

Primary irritation index 1 hours (rabbit): 5.7 (Maximum score is 110.) (unwashed eyes)

Primary irritation index 1 hours (rabbit): 6 (Maximum score is 110.) (washed eyes)

**Skin** Primary irritation index (rabbit): 4.4 (Maximum score is 8.0.)

Acute dermal LD50 (rabbit): > 2,000 mg/kg

**Inhalation** Acute 4 hours LC50 (rat): > 5.8mg/l

**Ingestion** Acute oral LD50 (rat): > 5,000 mg/kg

### CARCINOGENICITY

This product contains no carcinogenic substances.

---

## 12. Ecological information

### Aquatic toxicity

Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish. (P. Promelas (fathead minnow)) Considered relatively non-toxic as demonstrated by a no significant effect at any concentration of the water soluble fraction of product to fathead minnows and water-fleas.

### Biodegradation

Product is removed by volatilization, sorption to sediments/soils and biodegradation.

---

---

### 13. Disposal information

**Waste code** Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

**Disposal methods**

Dispose of only in accordance with local, state, and federal regulations.

**Empty containers**

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

---

### 14. Transport information

Not classified as dangerous in transport.

---

### 15. Regulatory information

The chemical ingredients in this product are on the 8(b) TSCA inventory lists (40 CFR 710).

Contains no chemicals subject to SARA 302 reporting.

Contains no chemicals subject to SARA 313 reporting.

Contains no chemicals subject to CERCLA.

Contains no chemical subject to California Prop 65.

---

### 16. Other information

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. EDM Performance shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

---