

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the material and supplier

Product name: Reliable Premium Ultra  
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

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

#### Potential Health Effects

**Eyes** Irritating to eyes.

**Skin** May cause skin irritation and/or dermatitis. High standards of skin care and personal hygiene should be exercised at all times.

**Inhalation** May cause headache and dizziness.

**Ingestion** Aspiration hazard if swallowed - can enter lungs and cause damage.

## 3. Composition/ information on ingredients

Components	CAS-No.	Weight %
Paraffins	Confidential	>50
Synthetic hydrocarbons	Confidential	<50

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

## 4. First-aid measures

**Eye contact** Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

**Skin contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.

Call a physician immediately.

**Ingestion** Do NOT induce vomiting. Consult a physician.

## 5. Fire-fighting measures

#### Flash point

255°F, COC

#### Auto-ignition temperature

204 °C 400 °F

#### Flammable limits in air % by volume

**Lower explosion limit:** 0.5 %(V)

**Upper explosion limit:** 4.7 %(V)

**Fire and explosion** NFPA Class IIIB combustible liquid.

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**Extinguishing media** Water spray or fog, foam, dry chemical, CO<sub>2</sub>.

**Fire fighting instructions**

In the event of fire, wear self-contained breathing apparatus.

**Further information**

Keep containers and surroundings cool with water spray.

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6. Accidental release measures

**Steps to be taken in case of spill or leak**

Evacuate the area and eliminate all sources of ignition. Contain spillage, and then collect 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).

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7. Handling and storage

**Safe handling advice**

Ensure all equipment is electrically grounded before beginning transfer operations.

**Storage/Transport pressure**

Ambient

**Load/Unload temperature**

Ambient, above freezing point. (Product will freeze at 4 C)

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8. Exposure controls/personal protection

**ENGINEERING MEASURES**

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

**PERSONAL PROTECTIVE EQUIPMENT**

**Eyes**

Chemical resistant goggles must be worn. Face-shield

**Skin**

Wear suitable protective clothing, gloves and eye/face protection.

**Inhalation**

Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

**EXPOSURE GUIDELINES**

Components Exposure limit(s)

Contains no substances with occupational exposure limit values. EDM Performance recommends an internal limit of 5 mg/m<sup>3</sup> (8-hour TWA) for exposure to mists of this product.

PEL= Permissible Exposure Limits TWA= Time Weighted Average (8 hr.)

TLV= Threshold Limit Value STEL= Short Term Exposure Limit (15 min.)

EL= Excursion Limit WEEL= Workplace Environmental Exposure Level

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9. Physical and chemical properties

**Appearance**

oily liquid

**Color**

Water white

**Odor**

Mild hydrocarbon

**Form**

liquid

**Boiling point/boiling range**

248 - 284 °C 478 - 544 °F

**Vapor pressure**

< 0.1 mm Hg @ 20 °C API Calculation

**Solubility (water)**

negligible

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**Viscosity**

34.0-38.0 SUS @ 100 °F

**Melting point/range**

4 °C 39 °F (Freeze pt.)

**Specific gravity** 0.7752 @ 20 °C/20°C

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**10. Stability and reactivity****Conditions to avoid**

Keep away from heat and sources of ignition.

**Hazardous decomposition products**

Hazardous gases and vapors produced in fire are oxides of carbon.

**Store away from other materials.**

Oxidizing agents

**Hazardous polymerization**

Stable

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**11. Toxicological information****Eyes**

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

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

**Skin**

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

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

**Inhalation**

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

**Ingestion**

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

**CARCINOGENICITY**

Contains no ingredient listed as a carcinogen

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**12. Ecological information**

**Aquatic toxicity** Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish. (Pimephales 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.

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**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.

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**14. Transport information**

**DOT** not regulated

**IATA** not regulated

**IMDG** not regulated

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15. Regulatory information

**U.S. FEDERAL REGULATIONS**

**OSHA Hazards**

Non-hazardous substance

**TSCA Inventory:** all components listed

**SARA 302 Status**

Contains no chemicals subject to SARA 302 reporting.

**SARA 311/312 Classification**

Non-hazardous substance

**SARA 313 Chemical**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**CERCLA Hazardous Substance**

**Components Reportable Quantity Weight %**

none

**INTERNATIONAL REGULATIONS**

**Workplace Hazardous Materials Information System (WHMIS) Classification**

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

This product contains one or several components listed in the Canadian NDSL list.

**European Union**

Classification and labeling according to Directive 67/548/EEC.

Xn: Harmful

R65 Harmful: may cause lung damage if swallowed.

**Australian Inventory of Chemical Substances (AICS) Listing**

Listed

**Japanese Minister of International Trade and Industry (MITI) Inventory Listing**

Listed

**Canadian Domestic Substance List (DSL) Inventory Listing**

Not listed

A New Substance Notification is complete and inventory listing pending. This product or a component is the subject of a Significant New Activity (SNAc) notice under CEPA.

**Canadian Non-Domestic Substance Listing (NDSL)**

Listed

**European Inventory of Existing Commercial Chemical Substances (EINECS) Listing**

Listed

**Philippines Inventory List (PICCS)**

Listed

**Korean Inventory List**

Listed

**China Inventory List**

Listed

**STATE REGULATIONS**

**California Prop. 65**

**Components CAS-No.**

None

**VOC Regulations**

- For applications that use EPA method 24 to determine VOC emissions: product contains over 50% VOC
- For consumer product applications covered by the California Air Resource Board regulation CCR 94509(a) or the Federal EPA consumer product regulations 40 CFR 59.203(f) CLC Chem Finish EDM 700 is considered LVP-VOC and is exempt.

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16. Other information

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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.

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