

## Safety Data Sheet

### Section 1: Identification

<b>Product Identifier/Name</b>	<b>EDM Super Supreme</b>
<b>Product code</b>	▪ 10240
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	
<b>Recommended use</b>	▪ Dielectric machining fluid
<b>Restrictions on use</b>	▪ For intended industrial use only
<b>HMIRA Registration</b>	▪ 11279
<b>HMIRA Registration Date</b>	▪ 2017-05-04
<b>Details of the supplier of the safety data sheet</b>	
<b>Manufacturer</b>	▪ Commonwealth Oil Corporation, A Houghton Company 2080 Ferriss Rd N., P.O. Box 370 Harrow, Ontario, NOR 1G0 Canada  www.houghtonintl.com/ www.commonwealtheoil.com
<b>Telephone (General)</b>	▪ (519) 738-3503
<b>Emergency telephone number</b>	▪ CANUTEC (613) 996-6666 Collect 24 hr

### Section 2: Hazard Identification

#### Classification of the substance or mixture

In accordance with 29 CFR 1910.1200 OSHA HCS 2012 and the Canadian Hazardous Products Regulations and WHIMIS 2015 and Mexico Standard NOM-018-STPS-2015

Aspiration hazard Category 1

#### Label elements

**Signal word**

**DANGER**

**Hazard symbol**



**Hazard statements**

H304 May be fatal if swallowed or enters airways

#### Precautionary statements

**Prevention**

▪ Not applicable

**Response**

P301+P310 ▪ IF SWALLOWED: Immediately call a POISON CENTER or physician

P331 ▪ Do NOT induce vomiting

**Disposal**

P501 ▪ Dispose of contents and container in accordance with local and national regulations

**Hazards not otherwise classified**

▪ Defatting to the skin



## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions**                      ▪ Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material.

**Environmental precautions**            ▪ Avoid run off to waterways and sewers.

### Methods and material for containment and cleaning up

**Containment/Clean-up**                    ▪ Recover free liquid for recycle or disposal. Add absorbent to spill area.

**Measures**                                      LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

## Section 7: Handling and Storage

### Precautions for safe handling

**Handling**                                      ▪ Do not mix or store with strong oxidants.  
 ▪ Empty container contains product residue which may exhibit hazards of product.

### Conditions for safe storage, including any incompatibilities

**Storage**                                      ▪ Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from open flame.

### Incompatible Materials

### General Industrial Hygiene

### Considerations

- Keep product from freezing. (Product will freeze at 4°C/39°F)
- Strong oxidizing agents.
- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating or drinking. Safety shower and eye wash should be available close to work station.

### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Avoid release to the environment.

## Section 8: Exposure Controls/Personal Protection

### Exposure Controls

PEL/TLV

Ingredient	OSHA (PEL)	ACGIH (TLV)	Other
None listed			

**Engineering Measures/Controls**                      ▪ Use adequate mechanical (general) ventilation or local exhaust as needed to control concentration of airborne contaminants below applicable exposure limit values.

### Personal Protective Equipment

#### Pictograms



**Respiratory**                                      ▪ Not necessary under conditions of normal use. In case of insufficient ventilation, wear suitable respiratory equipment if exposure limits are exceeded.

**Eye/Face**                                      ▪ Wear safety goggles.

**Hands**    ▪ Wear protective gloves- neoprene, butyl or nitrile rubber with cuffs.

**Skin/Body**                                      ▪ Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

## Section 9: Physical and Chemical Properties

### Information on physical and chemical properties

Appearance	Clear water white or pale yellow liquid
Odor	Mild
Odor Threshold	Not Determined
pH	None
Melting Point/Freezing Point	4°C (39°F)
Boiling Point Range	248 - 284°C, 478 - 544°F
Flash Point	≥ 120°C (248°F) Cleveland Open Cup
Evaporation Rate	No data available
Flammability Limits	Upper explosion limit: 4.7% volume, lower explosion limit: 0.5%
Vapor Pressure	< 0.1mm Hg @ 20°C (68°F)
Vapor Density (Air=1)	No data available
Specific Gravity/Relative	0.770 @ 16°C, 61°F
Solubilities	Insoluble in water
Octanol/Water Partition coefficient	Not Determined
Auto ignition temperature	204°C, 400°F
Decomposition temperature	Not Determined
Viscosity	3.0 cSt @ 40°C, 104°F

## Section 10: Stability and Reactivity

Reactivity	<ul style="list-style-type: none"><li>▪ No dangerous reaction known under conditions of normal use.</li></ul>
Chemical stability	<ul style="list-style-type: none"><li>▪ Stable under normal temperatures and pressures.</li></ul>
Possibility of hazardous reaction	<ul style="list-style-type: none"><li>▪ Not determined</li></ul>
Conditions to avoid	<ul style="list-style-type: none"><li>▪ Not determined</li></ul>
Incompatible materials	<ul style="list-style-type: none"><li>▪ Do not mix with strong oxidants.</li></ul>
Hazardous decomposition products	<ul style="list-style-type: none"><li>▪ None known under normal use.</li></ul>

## Section 11: Toxicological Information

### Information on the likely routes of exposure; symptoms; and acute, delayed and chronic effects

Inhalation	<ul style="list-style-type: none"><li>▪ Overexposure to mists or vapors may irritate respiratory tract. May be fatal if swallowed and enters airways.</li></ul>
Aspiration Hazard	<ul style="list-style-type: none"><li>▪ If swallowed can be aspirated into the lungs and cause chemical pneumonia, varying degrees of pulmonary injury or death.</li></ul>
Ingestion	<ul style="list-style-type: none"><li>▪ Ingestion of concentrate may cause gastrointestinal irritation. Do not induce vomiting. Vomiting may increase risk of product aspiration.</li></ul>
Eye	<ul style="list-style-type: none"><li>▪ Direct contact with concentrate may cause eye irritation based on component information.</li></ul>
Skin corrosion/irritation	<ul style="list-style-type: none"><li>▪ Prolonged/repeated exposure to concentrate may cause skin irritation in some individuals.</li></ul>

## Numerical measures of toxicity

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	This product is classified as an Aspiration hazard, Category 1.

### Carcinogenicity

- Not listed in NTP, OSHA, or IARC monographs.

## Additional Information

- Practical experience has not demonstrated any adverse effects with normal use dilutions of this product.
- Contains petroleum oil, which if misted in excess at exposure limits may cause respiratory irritation, coughing, and extreme overexposure may cause oil pneumonitis.

## Section 12: Ecological Information

### Toxicity

- Not determined.

### Persistence and degradability

- Not determined.

### Bioaccumulative potential

- Not determined.

### Mobility in Soil

- Not determined.

### Other adverse effects

- Oil spills are generally hazardous to the environment.

## Section 13: Disposal Considerations

### Waste treatment methods

#### Product waste

- Do not discard into any sewers, on the ground, or any body of water.
- Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
- This product, as manufactured in its present state, is not considered to be a hazardous waste according to 40CFR 261.4(b)(4). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This product should be recycled if possible, otherwise it should be disposed of in accordance with all applicable federal, state, and local regulations.

#### Contaminated containers or packaging

- Contaminated containers should be offered for professional cleaning before reuse
- Dispose of spent container in accordance with local, regional, national, and/or international regulations.

## Section 14: Transport Information

UN Number	▪ Not regulated for transport.
UN Proper Shipping Name	▪ Not applicable
Transport Hazard Class(es)	▪ Not applicable
Packing Group	▪ Not applicable
Environmental Hazards	▪ Not determined
Transport in Bulk	▪ Not regulated
Special Precautions for user	▪ None specified

## Section 15: Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture Global Chemical Inventories

USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	None.
Australia	Not determined.
Canada	All ingredients listed on DSL.
China	Not determined.
EU	Not determined.
Japan	Not determined.
Korea	Not determined.
New Zealand	Not determined.
Switzerland	Not determined.

### Other U.S. Federal Regulations

SARA Ext. Haz. Subst.	▪ This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	▪ This product does not contain greater than 1.0% (> 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

### SARA 311 Classifications

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances	▪ None known.
FDA Approval	▪ Not Applicable.
State Regulations	
Cal. Prop. 65	▪ This product does not contain any Proposition 65 chemicals.

## Section 16: Other Information

### HMIS Ratings

Health	1
Flammability	1
Physical	0
Personal Protection	B

### NFPA Ratings

Health	1
Flammability	1
Reactivity	0

### Acronyms/Abbreviations

- **NTP**- National Toxicology Program Report on Carcinogens (latest edition)
- **IARC**- International Agency for the Research on Cancer
- **TSCA**- Toxic Substance Control Agency

Revision Date: 8/15/2018

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