



# SAFETY DATA SHEET

## DV LUBE 2000 / OJ-2000

Version: 1.0 Revision Date: 2017-06-07 Print Date: 2017-06-07

SDS Number: 200007

### SECTION 1. IDENTIFICATION

**Product Name:** DV LUBE 2000  
**Part Number:** OJ-2000

**Supplier:** DV Systems Inc.  
490 Welham Road  
Barrie, ON L4N 8Z4

**Telephone:** +1 705 728-5657

**Emergency telephone:** CHEMTREC (24 h) 1(800) 424-9300 (US & Canada)  
or 1(703)527-3387 CCN703011

**Recommended Use:** Compressor oil

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

**OSHA Regulatory Status:** This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**WHMIS 2015 Regulatory Status:** This chemical is not considered hazardous by the Canadian Hazardous Products Regulations (WHMIS 2015).

**GHS Regulatory status:** Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Precautionary Statements:** None

**The product contains no substances which at their given concentration, are considered to be hazardous to health**

**Appearance:** Oil

**Physical State:** Liquid

**Odor:** Mild

**Eyes:** None

**Skin:** None

**Inhalation:** None

**Ingestion:** None

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**Hazards not otherwise classified (HNOC)**

**Other Information:** Harmful to aquatic life with long lasting

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance name:** DV LUBE 2000 / OJ-2000

**Hazardous components:** The product contains no substances which at their given concentration, are considered to be hazardous to health.

Components	CAS-No	Weight %	Trade Secret
1,2Benzenedicarboxylic acid di-c9-c11 branched alkyl ester	68515-49-1	50-80%	*

### SECTION 4. FIRST-AID MEASURES

**General advice:** Not expected to be a health hazard when used under normal conditions.

**Eye Contact:** Flush eye with water for 15 minutes. If symptoms persist, call a physician.

**Skin Contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.

**Ingestion:** Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician if necessary.

**Most Important Symptoms and Effects, Acute and Delayed:** No information available

**Immediate Medical Attention and Special Treatment:** No information available

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water spray.

**Unsuitable Extinguishing Media:** Do not use a solid water stream as it may scatter and spread fire.



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### Specific Hazards Arising from the Product Explosion Data

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire, cool tanks with water spray.

### Sensitivity to Mechanical Impact:

None

### Sensitivity to Static Discharge:

None

### Special Protective Equipment and Precautions for Fire- Fighters:

Standard procedure for chemical fires. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use personal protective equipment. Contaminated surfaces will be extremely slippery.

### Environmental precautions:

Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

### Methods for Containment and Cleaning Up:

Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 7. HANDLING AND STORAGE

### Handling:

Always replace cap after use. Spilling onto the container's outside will make container slippery. Handle in accordance with good industrial hygiene and safety practice.

### Storage Conditions:

Keep containers dry and tightly closed to avoid moisture absorption and contamination.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

### Exposure Guidelines:

Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m<sup>3</sup>, ACGIH STEL of 10 mg/m<sup>3</sup>.

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**Engineering Measures to Reduce Exposure:** Ensure adequate ventilation, especially in confined areas.

### Individual Protection Measures, Such as Personal Protective Equipment

**Respiratory Protection:** Breathing apparatus needed only when aerosol or mist is formed.

**Hand Protection:** Impervious Gloves

**Eye Protection:** Safety Glasses

**Skin and Body Protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect

**General Hygiene Considerations:** Avoid contact with skin, eyes and clothing

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Oil  
**Colour:** Orange  
**Odour:** Mild  
**Odour Threshold:** No Information Available  
**pH:** Not applicable

**Initial Boiling Point and Boiling Range:** > 315 °C / 600 °F  
estimated value(s)

**Flash Point** 232 °C / 450 °F  
Method: Cleveland Open Cup

**Evaporation Rate:** No information available

**Flammability (solid, gas):** No information available

**Upper Explosion Limit:** No information available

**Lower Explosion Limit:** No information available

**Vapour Pressure:** No information available

**Relative Vapour Density:** No information available

**Specific Gravity:** <1.0

**Solubility in Water:** Insoluble

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**Solubility in Other Liquids:** No information available

**Partition Coefficient, n-Octanol / Water:** No information available

**Auto-ignition temp:** No information available

**Explosive properties:** No information available

**Decomposition Temperature:** No information available

**Conductivity:** No information available

**Viscosity kinematic:** approx. 65 cSt @ 40°C

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Not applicable

**Chemical Stability:** Stable under recommended storage conditions

**Possibility of Hazardous Reactions:** None under normal processing.

**Conditions to Avoid:** No special storage conditions required.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** None reasonably foreseeable.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Likely Routes of Exposure

**Product Information:** Product does not present an acute toxicity hazard based on known or supplied information.

**Eye Contact:** May cause slight irritation.

**Skin Contact:** Substance does not generally irritate and is only mildly irritating to the skin.

**Inhalation:** Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

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**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Components	Oral LD50	Dermal LD50	Inhalation LC50
1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester - 68515-49-1	>60000 mg/kg (Rat)	=16000 mg/kg (Rabbit)	-

### Delayed and Immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No sensitization responses were observed.

**Mutagenic Effects:** Did not show mutagenic or teratogenic effects in animal experiments.

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive Toxicity:** This product does not contain any known or suspected reproductive hazards.

**STOT (Specific Target Organ Toxicity) - Single Exposure:** None under normal use conditions.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure:** None under normal use conditions.

**Aspiration Hazard:** Not applicable.

### Numerical Values of Toxicity- Product information

The following values are calculated based on chapter 3.1 of the GHS document.

**ATEmix (oral):** 28211 mg/kg  
**ATEmix (dermal):** 23022 mg/kg  
**ATEmix (inhalation-dust/mist):** 192 mg/L  
**ATEmix (Inhalation-vapour):** 18411 mg/L

## SECTION 12. ECOLOGICAL INFORMATION *(section heading must appear; all content is optional)*

**Ecotoxicity:** Harmful to aquatic life with long lasting effects. 0.2241% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester - 68515-49-1	
<b>Algae/aquatic plants</b>	1.3: 96 h Pseudokirchneriella subcapitata mg/L EC50
<b>Fish</b>	0.55: 96 h Lepomis macrochirus mg/L LC50 static 0.62: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.66: 96 h Pimephales promelas mg/L LC50 static 1: 96 h Oncorhynchus mykiss mg/L LC50 static 1: 96 h Pimephales promelas mg/L LC50 flow-through
<b>Crustacea</b>	0.18: 48 h Daphnia magna mg/L EC50

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**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Mobility:** The product is insoluble and floats on water.

Components	Partition Coefficient
1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester 68515-49-1	8.8

### SECTION 13. DISPOSAL CONSIDERATIONS *(section heading must appear; all content is optional)*

**Disposal Methods:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging:** Empty containers should be taken for local recycling, recovery or waste disposal.

### SECTION 14. TRANSPORT INFORMATION *(section heading must appear; all content is optional)*

**DOT:** Not Regulated

**TDG:** Not Regulated

**IATA-DGR:** Not regulated

**IMO/IMDG:** Not regulated

### SECTION 15. REGULATORY INFORMATION *(section heading must appear; all content is optional)*

#### International Inventories

**TSCA:** Listed in TSCA

**DSL:** All of the components in this product are listed in DSL

**EINECS/ELINCS:** This product complies with EINECS/ELINCS

**CHINA:** This product complies with China IECSC

**KECL:** This product complies with Korea KECL

**PICCS:** This product complies with Philippines PICCS

**AICS:** All the constituents of this material are listed on the Australian AICS

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NSDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances



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**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### Canada HPR Statement

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

**Acute Health Hazard:** No  
**Chronic Health Hazard:** No  
**Fire Hazard:** No  
**Sudden Release of Pressure:** No  
**Reactive Hazard:** No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### State Regulations (RTK)

##### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

Components	NJRTK	MARTK	PARTK
1,2 Benzenedicarboxylic acid di-c9-c11 branched alkyl ester - 68515-49-1	Not Listed	Not Listed	Listed

#### U.S. EPA Label Information

**EPA Pesticide Registration Number:** Not Applicable

## SECTION 16. OTHER INFORMATION





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**Nfpa:**

Health: 1

Flammability: 1

Instability 0

**NFPA/HMIS \* for Carc, Muta, Tera, Specific Organ \***

**HMIS health rating:**

Health: 1

Flammability: 1

Physical hazards 0

Personal protection B

**Issue Date:** 01-Jun-2017

**Revision Date:** 01-Jun-2017

**Revision Note:** Not applicable

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.