



# Safety Data Sheet

## DV LUBE 20 / PR-20

Version: 1.0 Revision Date: 2017-06-01 Print Date: 2017-06-01

SDS Number: 200002

### SECTION 1. IDENTIFICATION

**Product Name:** DV LUBE 20  
**Part Number:** PR-20

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

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

**Emergency telephone:** Petro-Canada Lubricants Inc.: +1 905-403-5770; CHEMTREC Transport  
Emergency: 1-800-424-9300; Poison Control Centre: Consult local telephone  
directory for emergency number(s).

**Recommended Use:** COMPRO Compressor Fluids are used for the lubrication of air and inert gas  
compressors of the reciprocating, rotary screw, and rotary vane types.

These compressor oils should NEVER be used in equipment compressing pure  
oxygen or other chemically active gases such as chlorine or hydrogen chloride.

DO NOT USE in breathing air apparatus or medical equipment.

### SECTION 2. HAZARD IDENTIFICATION

#### Emergency Overview:

Appearance	Viscous liquid
Colour	Pale yellow
Odour	Mild petroleum oil like

**GHS Classification:** Not a hazardous substance or mixture

#### GHS Label Elements

**Hazard Pictograms:** No hazard symbol required  
**Signal word:** No signal word

#### Potential Health Effects

**Primary Routes of  
Entry:** Eye contact  
Ingestion  
Inhalation  
Skin contact

**Agravated Medical  
Condition:** None known.

**Other Hazards** None known.

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**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

**Hazardous Components**

Chemical Name	CAS-No.	Concentration
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high viscosity	72623-85-9	50 - 70 %
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	30 – 50%

### SECTION 4. FIRST-AID MEASURES

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

**Inhalation:** Move to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical advice.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Seek medical advice.

**Eye Contact:** Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Ingestion:** Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.

**Most Important Symptoms and Effects, Acute and Delayed:** Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.

**Immediate Medical Attention and Special Treatment:** When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings. Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

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**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** No information available.

**Specific hazards during firefighting:** Cool closed containers exposed to fire with water spray.

**Hazardous combustion products:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), phosphorus oxides (PO<sub>x</sub>), sulphur oxides (SO<sub>x</sub>), smoke and irritating vapours as products of incomplete combustion.

**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures** Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.

**Environmental precautions:** If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods for Containment and Cleaning Up:** Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

### SECTION 7. HANDLING AND STORAGE

**Advice on safe handling:** For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Keep away from heat and sources of ignition. Keep container closed when not in use.

**Avoidance of contact:** Strong oxidising agents.

**Conditions for Safe Storage:** Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. To maintain product quality, do not store in heat or direct sunlight.

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### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high viscosity	72623-85-9	TWA (Mist)	5 mg/m <sup>3</sup>	CA AB OEL
		STEL (Mist)	10 mg/m <sup>3</sup>	CA AB OEL
		TWAEV (Mist)	5 mg/m <sup>3</sup>	CA QC OEL
		STEV (Mist)	10 mg/m <sup>3</sup>	CA QC OEL
		TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	TWA (Mist)	5 mg/m <sup>3</sup>	CA AB OEL
		STEL (Mist)	10 mg/m <sup>3</sup>	CA AB OEL
		TWAEV (Mist)	5 mg/m <sup>3</sup>	CA QC OEL
		STEV (Mist)	10 mg/m <sup>3</sup>	CA QC OEL
		TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH

#### Engineering measures:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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### Personal protective equipment

**Respiratory protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Filter type:** Organic vapour filter

**Hand protection Material:** Neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).

**Remarks:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection:** Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Protective measures:** Wash hands and face before breaks and immediately after handling the product. Wash contaminated clothing before re-use. Ensure that eyewash station and safety shower are proximal to the work-station location.

**Hygiene measures:** Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Viscous liquid.  
**Colour:** Pale yellow.  
**Odour:** Mild petroleum oil like.  
**Odour Threshold:** No data available  
**pH:** Not applicable

**Pour point:** -30 °C (-22 °F)

**Initial Boiling Point and Boiling Range:** No data available

**Flash Point** 238 °C (460 °F) Method: Cleveland open cup

**Fire Point:** 266 °C (511 °F)

**Auto-Ignition Temperature:** No data available

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<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	Low fire hazard. This material must be heated before ignition will occur.
<b>Upper explosion limit:</b>	No data available
<b>Lower explosion limit:</b>	No data available
<b>Vapour Pressure:</b>	No data available
<b>Relative Vapour Density:</b>	No data available
<b>Density:</b>	0.869 kg/l (15 °C / 59 °F)
<b>Solubility in Water:</b>	insoluble
<b>Solubility in Other Liquids:</b>	No data available
<b>Partition Coefficient, n-Octanol / Water:</b>	No data available
<b>Viscosity kinematic:</b>	68 cSt (40 °C / 104 °F) 8.7 cSt (100 °C / 212 °F)
<b>Explosive properties:</b>	Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

### SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.
<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerisation does not occur. Stable under normal conditions.
<b>Conditions to Avoid:</b>	No data available
<b>Incompatible Materials:</b>	Reactive with oxidising agents, acids, alkalis and reducing agents.
<b>Hazardous Decomposition Products:</b>	May release CO <sub>x</sub> , NO <sub>x</sub> , PO <sub>x</sub> , SO <sub>x</sub> , methacrylate monomers, smoke and irritating vapours when heated to decomposition.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Basis for assessment:

Information given is based on data on the components and the toxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

#### Likely Routes of Exposure

Eye contact  
Ingestion  
Inhalation  
Skin contact

#### Acute Toxicity

Acute oral toxicity: No data available

Acute inhalation toxicity: No data available

Acute dermal toxicity: The substance or mixture has no acute dermal toxicity

#### Components:

##### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high viscosity:

Acute oral toxicity: DL50 (Rat): >5,000 mg/kg

Acute inhalation toxicity: CL50 (Rat): > 5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist

Acute dermal toxicity: DL50 (Rabbit): > 2,000 mg/kg

##### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based:

Acute oral toxicity: DL50 (Rat): >5,000 mg/kg

Acute inhalation toxicity: CL50 (Rat): > 5.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist

Acute dermal toxicity: DL50 (Rabbit): > 2,000 mg/kg

Skin Corrosion / Irritation: No data available

Serious Eye Damage / Irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available



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STOT (Specific Target Organ Toxicity) - Single Exposure: No data available

STOT (Specific Target Organ Toxicity) - Repeated Exposure: No data available

Aspiration Hazard  
STOT (Specific Target Organ Toxicity) - Repeated Exposure  
Respiratory and/or Skin Sensitization: No data available

Carcinogenicity: No data available

Reproductive Toxicity Effects on fertility: No data available

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

#### **Ecotoxicity**

Toxicity to fish (Acute toxicity): No data available

Toxicity to crustacean (Acute toxicity): No data available

Toxicity to algae/aquatic plants (Acute toxicity): No data available

#### **Persistence and Degradability**

Biodegradability: No data available

#### **Bio accumulative Potential**

Bioaccumulation: No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** No data available

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

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### Disposal Methods

Waste from residues: The product should not be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labelled prior to recycling or disposal. Send to a licensed waste management company. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

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

**National Regulations:** TDG  
Not regulated as a dangerous good

**International Regulation:** IATA-DGR  
Not regulated as a dangerous good  
IMDG-Code  
Not regulated as a dangerous good

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Pollution category : Not applicable  
Ship type : Not applicable  
Product name : Not applicable  
Special precautions : Not applicable

**Special Precautions:** Refer to Chapter 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

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

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### The components of this product are reported in the following inventories:

**DSL** On the inventory, or in compliance with the inventory

**TSCA** All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**IECSC** On the inventory, or in compliance with the inventory

**EINECS** On the inventory, or in compliance with the inventory

## SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN -

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Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

**For Copy of SDS:** Internet: [lubricants.petro-canada.com/sds](http://lubricants.petro-canada.com/sds)

Western Canada, telephone: 1-800-661-1199; fax: 1-800-3784518

Ontario & Central Canada, telephone: 1-800-268-5850; fax: 1800-201-6285

Quebec & Eastern Canada, telephone: 1-800-576-1686; fax: 1-800-201-6285

For Product Safety Information: 1 905-804-4752



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**Date of Latest**

**Revision:**

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