



### Section 1: Chemical Product and Company Identification

**Manufacturer or Supplier Name:** Shrader Canada Limited  
**Address:** 830 Progress Court, Oakville, Ontario L6L 6K1  
**Date of MSDS Preparation:** 11/19/2001 **Revision:** 3  
**Product Use:** Lubricant.  
**Chemical Family:** Petroleum Disillates.

### Section 2: Composition/Information on Ingredients

Hazardous Ingredients	%	LD50 and LC50	ACGIH TWA	Ecotoxicity - Aquatic Toxicity
MINERAL SPIRITS 8052-41-3	40-70	Not Available	100 ppm TWA	Not Available
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	5-10	Not Available	Not available	Not Available
ISOPROPANOL 67-63-0	5-10	Inhalation LC50 Rat : 16000 ppm/8HOral LD50 Rat : 5045 mg/kgOral LD50 Mouse : 3600 mg/kgDermal LD50 Rabbit : 12800 mg/kg	(500ppm) STEL (400 ppm) TWA 500 ppm STEL 400 ppm TWA	LC50 (96 hr) fathead minnow (29 days old): 94900-10400 mg/L. Cond: Flow-through, 24.4-24.6 degrees C, pH 7.09, 52.5 mg/L CaCO3.; LC50 (96 hr) fathead minnow (31 days old): 61200-65500 mg/L. Cond: Flow

### Section 3: Hazards Identification

**Ingestion:** Ingestion of small amounts during normal handling are not likely to cause injury. Larger amounts may cause effects similar to those described under inhalation. Ingestion of large amounts may cause stomach irritation. Symptoms include nausea, vomiting and diarrhea. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

**Skin Contact:** No hazard under normal conditions of use. Frequent or prolonged contact may dry and irritate the skin and cause a rash.

**Inhalation:** High concentrations may cause respiratory irritation and central nervous system depression with results ranging from dizziness and headache to unconsciousness.

**Eye Contact:** Direct contact causes eye irritation.

**Chronic Effects:** Reports have associated repeated and prolonged occupational overexposure to various organic solvents with internal organ, brain and nervous system damage.

## Section 4: First Aid Measures

**Ingestion:** Do not induce vomiting. If conscious, immediately drink one half to one glass of water to dilute. Call physician.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

**Inhalation:** Not necessary under normal conditions of use. If affected, remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses if any after the initial flushing and then continue flushing. Get medical attention if irritation persists.

**Additional Information** The main hazard following ingestion is aspiration of the liquid into the lungs during subsequent vomiting. Only if more than 2.0 mL/kg body weight has been ingested, vomiting should be induced with supervision. If symptoms such as convulsions or unconsciousness occur before vomiting, gastric lavage should be considered.

## Section 5: Fire Fighting Measures

**Flash Point (°C):** 16

**Flame Projection:** > 45 cm. Aerosol will flashback.

**NFPA Classification:** Aerosol, Level 3

**Lower Explosive Limit:** Not Available

**Upper Explosive Limit:** Not Available

**Autoignition Temperature (°C):** Not Available

**Sensitivity to Mechanical Impact:**  
Contents under pressure. Protect against physical damage.

**Conditions of Flammability:**  
Extremely flammable. Flammable at all temperatures above the flash point on contact with an ignition source. Vapours are heavier than air and may travel or be moved along the ground to an ignition source at locations distant from material handling.

**Sensitivity to Static Discharge:**  
Take precautionary measures against static discharges.

**Hazardous Combustion:**  
Carbon dioxide, carbon monoxide and other unidentified organic compounds.

**Extinguishing Media:**  
Alcohol foam or water fog for large fires. Carbon dioxide or dry chemical for small fires. Use water spray to cool fire exposed containers and prevent bursting. Do not use a direct stream of water.

## Section 6: Accidental Release Measures

**Leak or Spill Procedures:**  
Wear suitable protective clothing. Follow applicable explosion and fire precautions during the response. Stop the spill at the source when safe to do so. For large spills,

dike the area to prevent spreading. Pump excess to a salvage container. Absorb residues and small spills with a non-flammable absorbent material and collect adsorbate for disposal. For large quantities refer to the environmental ministry.

## Section 7: Handling and Storage

### Handling Procedures:

Flammable. Keep away from heat, spark, flame and other sources of ignition. Containers of this material may contain hazardous residues when emptied. Do not cut, weld, drill or grind on or near this container. Use with adequate ventilation. Avoid breathing vapours. Use good personal hygiene. Avoid smoking, eating and drinking during use. Wash with soap and water after handling. Contents under pressure.

### Storage Requirements:

Flammable. Keep away from heat, sparks, ignition sources and oxidizing agents. Store in a cool area, away from all sources of heat, ignition and incompatibles. Storage temperatures should not exceed 40°C. Keep away from children. Keep containers tightly closed when not in use.

## Section 8: Exposure Controls/Personal Protection

<b>Respiratory:</b>	Not normally required. If the TLV is exceeded, a NIOSH-approved respirator is advised.
<b>Gloves:</b>	Neoprene. Nitrile gloves.
<b>Eyewear:</b>	Safety glasses. Contact lenses should not be worn. They may contribute to the severity of the injury.
<b>Clothing:</b>	Sufficient clothing to prevent skin contact.
<b>Ventilation:</b>	Sufficient mechanical ventilation to maintain exposures below the TLV. General mechanical ventilation is not recommended as the sole means of controlling exposure. Make-up air should always be supplied to balance air exhausted.
<b>Other protective equipment</b>	Emergency showers and eyewash facilities should be nearby. The selection of personal protective equipment will vary depending on the conditions of use.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Aerosol
<b>Odour:</b>	Hydrocarbon odour. Petroleum solvent with vanilla.
<b>Appearance:</b>	Clear, colorless to pale yellow liquid.
<b>Evaporation Rate:</b>	Not Available
<b>Vapour Pressure (mmHg):</b>	Not available.
<b>Vapour Density (Air=1):</b>	> 1
<b>Boiling Point:</b>	Not Available
<b>pH:</b>	Not available.
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity (H2O=1):</b>	0.80 at 15°C
<b>Viscosity:</b>	Not available.

## Section 10: Stability and Reactivity

**Conditions of Instability:**

Stable at ambient temperatures and pressures.

**Hazardous Polymerization:**

Hazardous polymerization will not occur.

**Hazardous Decomposition:**

See hazardous combustion products.

**Incompatible Materials:**

Avoid strong oxidizers such as HOOH, HNO<sub>3</sub>, and oleum. Light.

**Conditions of Reactivity:**

Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials.

## Section 11: Toxicological Information

**Irritancy of Product:**

May be mildly irritating to eyes and skin.

**Sensitization to product:**

Contains no known skin or respiratory sensitizers.

**Carcinogenicity:**

No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP. Petroleum derived oils may contain Polycyclic Aromatic Hydrocarbons (PAH) contaminants. Solvent refining and hydrotreating oil removes PAH's virtually eliminating the risk of cancer normally associated with PAH's and oils.

**Reproductive Effects:**

Not Available

**Teratogenicity:**

Not Available

**Mutagenicity:**

Not Available

**Synergistic Products:**

Not Available

**Other Information:**

No toxicological information is available for this product.

## Section 12: Ecological Information

**Environmental:** Solvents may be harmful to aquatic life. May be bioaccumulative but they have no food chain concentration potential.

**Biodegradability:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:** Disposal should be made in accordance with federal, state and local regulations.

## Section 14: Transportation Information

**Road shipment:** AEROSOLS, Class 2.1, UN1950, ERG #126.

**Marine shipment:** AEROSOLS, Class 2, UN1950, EmS# F-E, S-U.  
**Flash Point (°C):** 16

**Air Shipment:** Aerosols, Flammable, N.O.S., Class 2.1, UN1950, PI 203.

**Exemption:** LTD QTY exemptions may be used if product is packaged in accordance with Schedule 1 of TDGR (Clear Language)

## Section 15: Regulatory Information

**WHMIS:** A, B5, D2B

**CEPA:** All components are listed on the Domestic Substances List (DSL).

**CPR Compliance:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

## Section 16: Other Information

**HMIS Rating:** 241B

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