

Product: Quicksilver Octane Formula (Canadian Product)**Product #:** 92-817619 12**SECTION I - MANUFACTURER INFORMATION**

| | | | |
|-----------------|---------------------|-----------------------|-----------------------------|
| Name: | Shrader Canada Ltd. | Emergency: | 800-201-9486 |
| Address: | 830 Progress Court | Information: | 800-201-9486 |
| | Oakville, Ontario | Date Prepared: | 11-11-92 |
| | L6L 6K1 | Revised: | 10-02-95 (Reviewed in 1996) |

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Hazardous Components* | OSHA PEL | ACGIH TLV | Other | % (Opt.) |
|----------------------------------|----------|-----------|-------|----------|
| Methanol (67-56-1) | 200ppm | 200ppm | | 30-60 |
| Methyl-T-Butyl Ether (1634-04-4) | 40ppm | 40ppm | | 30-60 |

* Specific Chemical Identity, Common Name (CAS)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|---|---|
| Boiling Point: N/AV | Specific Gravity (H₂O=1): 0.76 - 0.79 |
| Vapor Pressure (mmHg): N/AV | Melting Point: N/D |
| Vapor Density (Air=1): > 1 | Evaporation Rate: High |
| Solubility in Water: Appreciable | (Butyl Acetate=1) |
| Appearance and Odor: Clear, colourless liquid with ether odour | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA**Flash Point (Method Used):** -14°C (N/D for Method)**Flammable Limits:** LEL - N/AV UEL - N/AV**Extinguishing Media:** Alcohol foam or water fog for large fires. Carbon Dioxide or dry chemical for small fires.**Special Fire Fighting Procedures:** Flammable at all temperatures above the flash point on contact with an ignition source. Use water spray to cool fire-exposed containers and prevent burning.**Unusual Fire and Explosion Hazards:** Vapours are heavier than air and may travel or be moved along the ground to an ignition source at locations distant from material handling. Vapours will form a flammable/explosive mixture with air.**SECTION V - REACTIVITY DATA****Stability:** Unstable () Stable (X)**Conditions to Avoid:** Stable at ambient and moderately elevated temperatures and pressures. Avoid excessive heat, sparks, and open flame. Avoid contact with incompatible materials.**Incompatibility (Materials to Avoid):** Avoid strong alkalis, strong mineral acids, strong oxidizers, and oleum.**Hazardous Decomposition or Byproducts:** Carbon Dioxide, Carbon Monoxide, and other unidentified organic compounds.**Hazardous Polymerization:** May Occur () Will Not Occur (X)**ADDITIONAL INFORMATION**

| | | | |
|------------------------|------------------------------|---------------------|-----------------------|
| Distributed by: | Mercury Marine | Emergency: | 416-270-4481 Ext. 249 |
| | 1156 Dundas Highway East | Information: | 416-270-4481 Ext. 249 |
| | PO Box 488 | | |
| | Mississauga, Ontario, Canada | | |

The contents of this MSDS have not changed per the manufacturer, 07-03-96.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation (Y) Skin (Y) Ingestion (Y) Eye (Y)

Health Hazards (Acute and Chronic): **Acute:** Skin - 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 CNS depression with results ranging from dizziness and headache to unconsciousness. 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. Eye - Irritation. Symptoms include pain, redness, and tearing. **Chronic:** Reports have associated repeated and prolonged occupational overexposure to various organic solvents with internal organ, brain, and nervous system damage.

Carcinogenicity: NTP (N) IARC Monographs (N) OSHA Regulated (N)

Signs and Symptoms of Exposure: See Health Hazards (Acute and Chronic)

Medical Conditions Generally Aggravated by Exposure: N/D

Emergency and First Aid Procedures: Skin - Wash contaminated area with soap and water. Remove contaminated clothing. Seek 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. Ingestion - DO NOT INDUCE VOMITING. Give water if conscious. Consult a physician. Eye - Immediately flush with large amounts of water for at least 15 minutes, lifting eyelids. Get medical attention if irritation persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Contain spilled material. Avoid contamination of natural waterways. 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 nonflammable absorbant material and collect absorbant for disposal. For large quantities refer to the environmental ministry.

Waste Disposal Method: Reuse or recycling should be given priority over disposal under any circumstances. Destroy by biological treatment in accordance with applicable legislation.

Precautions to be taken in Handling and Storing: Danger. Extremely Flammable. Keep away from sparks, flame and ignition sources, and incompatibles. Avoid breathing vapours, mists, or fumes. Avoid eye and skin contact. Wear sufficient clothing to prevent skin and eye contact. Store in a cool, well-ventilated area away from ignition sources and incompatibles.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): A NIOSH-approved respirator if TLV is exceeded.

Ventilation: Local: Sufficient to maintain exposures below the TLV.

Mechanical: Recommended if the product is misted or used in a confined space.

Protective Gloves: Neoprene or Nitrile

Eye Protection: Chemical splash goggles (DO NOT WEAR CONTACT LENSES).

Other Protective Clothing or Equipment: Wear sufficient clothing to prevent skin contact.

Work/Hygiene Practices: Always follow good housekeeping and personal hygiene practices.

N/D = NOT DETERMINED (NO DATA) N/E = NONE ESTABLISHED Y = YES

N/A = NOT APPLICABLE N/AV = NOT AVAILABLE N = NO