

Product: Power Tune Engine Cleaner (Canadian Product)**Product #:** 92-75995 12**SECTION I - MANUFACTURER INFORMATION****Name:** Shrader Canada Ltd.**Emergency:** 613-996-6666 (Canutec)**Address:** 830 Progress Court**Information:** 800-201-9486

Oakville, Ontario

Date Prepared: 09-19-02

L6L 6K1

Revised:**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components*	OSHA PEL	ACGIH TLV	Other	% (Opt.)
Oleic Acid (112-80-1)	N/D	N/AV		5-10
Methylisobutyl Carbinol (108-11-2)	N/D	25ppm		3-7
2-Butoxyethanol (111-76-2)	N/D	20ppm		3-7
Ammonia Solution (1336-21-6)	N/D	N/AV		1-5

*Specific Chemical Identity, Common Name (CAS)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**Boiling Point:** Wide Range**Specific Gravity (H₂O=1):** 0.89-0.92 @ 15°C**Vapor Pressure (mmhg):** N/AV**Melting Point:** N/D**Vapor Density (Air=1):** > 1**Evaporation Rate:** N/AV**Solubility in Water:** Partial**(Butyl Acetate=1)****Appearance and Odor:** Amber liquid; No odor info**HMIS Rating:** H-2 F-4 R-1 P-Section VIII**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****Flash Point (Method Used):** 44°C (TCC)**NFPA Rating:** N/D**Flammable Limits:** LEL – N/AV UEL – N/AV**Extinguishing Media:** **Large Fires:** Alcohol foam or water fog. **Small Fires:** Carbon dioxide or dry chemical.

Special Fire Fighting Procedures: Use water spray to cool fire-exposed containers and prevent bursting. Do not use a direct stream of water. Flammable. Sprayed product will project flame on contact with an ignition source. Contents under pressure. Containers can build up pressure if exposed to heat (fire). Vapours are heavier than air and may travel or may be moved along the ground to an ignition source at locations distant from material handling.

Unusual Fire and Explosion Hazards: N/D**SECTION V - REACTIVITY DATA****Stability:** Unstable () Stable (X)**Conditions to Avoid:** Avoid excessive heat, sparks, and open flame.**Incompatibility (Materials to Avoid):** Avoid strong oxidizers such as HOOH (hydrogen peroxide), HNO₃ (nitric acid), 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
2395 Meadowpine Blvd.
Mississauga, Ontario, Canada

Emergency: 905-567-6372 Ext. 4701
Information: 905-567-6372 Ext. 4701

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): Chronic overexposure to 2-Butoxyethanol may cause liver, kidney, and blood damage. 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: Inhalation – High concentrations may cause respiratory irritation and central nervous system depression with results ranging from dizziness and headache to unconsciousness. Skin – 2-Butoxyethanol may be absorbed through the skin. Frequent or prolonged contact may dry and irritate the skin and cause a rash. Methyl Isobutyl Carbinol may be absorbed through the skin. No hazard under normal conditions of use. Xylene may be absorbed through the skin. Eye – Direct contact causes eye irritation. Symptoms include pain, redness, and tearing. Vapours will irritate the eyes. Ingestion – Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Ingestion of large amounts may cause stomach irritation. Ingestion of small amounts during normal handling is not likely to cause injury. Larger amounts may cause effects similar to those described under inhalation. Symptoms include nausea, vomiting, and diarrhea.

Medical Conditions Generally Aggravated by Exposure: N/D

Emergency and First Aid Procedures: Inhalation – If inhaled, remove victim from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult. Skin – Remove contaminated clothing. Wash affected skin with soap and water. Seek medical attention if irritation persists. Launder clothing before reuse. Eye – Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get medical attention if irritation persists. Ingestion – DO NOT INDUCE VOMITING! Drink two glass of water if conscious. Call a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Wear suitable protective clothing. Follow applicable explosion and fire precautions during the response. Contain spilled material. Stop the spill at the source when safe to do so. Avoid contamination of natural waterways. **Large Spills:** Dike the area to prevent spreading. Pump excess to a salvage container. Absorb residues with non-flammable absorbent material and collect absorbent for disposal. Refer to the environmental ministry. **Small Spills:** Absorb small spills with non-flammable absorbent material and collect adsorbate for disposal.

Waste Disposal Method: Reuse or recycling should be given priority over disposal under any circumstances. Do not dump unused contents into sewers, on the ground, or into any body of water. Dispose of in accordance with municipal, provincial, and federal regulations.

Precautions to be taken in Handling and Storing: Containers of this material may contain hazardous residues when emptied. Do not cut, weld, drill, or grind on or near this container. Avoid smoking, eating, and drinking during use. Keep away from heat, spark, flame and other sources of ignition. Contents under pressure. Store in a cool, dry, well-ventilated area. Storage temperatures should not exceed 40°C. Keep from freezing.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Not normally required. If TLV is exceeded, a NIOSH-approved respirator is advised.

Ventilation: Local Exhaust & Mechanical: 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.

Protective Gloves: Nitrile gloves. Neoprene.

Eye Protection: Safety glasses. Contact lenses should not be worn. They may contribute to the severity of the injury.

SECTION VIII - CONTROL MEASURES (cont.)

Other Protective Clothing or Equipment: Sufficient clothing to prevent skin contact. Emergency shower and eye wash facility should be nearby.

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