

MATERIAL SAFETY DATA SHEET

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PRODUCT IDENTIFICATION

Trade Name: CarQuest 2-Cycle Oil **Date Prepared: March 2, 2004**
Synonyms/Product Code: N.A.
Chemical Name: Petroleum Mineral Oil
Family Description: A complex combination of hydrocarbons from a petroleum fraction obtained by solvent extraction, and/or solvent crystallization and/or hydrogen treatment plus additives.
DOT Hazard Class: Not Applicable

NFPA Codes: Health=0, Flammability=1, Reactivity=0

COMPOSITION

| <u>Product</u> | <u>CAS Number</u> | <u>Wt%</u> | <u>Occupational Exposure Limits*</u> | | | <u>Units</u> |
|--|-------------------|------------|--------------------------------------|------------------|--------------|----------------------|
| | | | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>Other</u> | |
| CarQuest 2-Cycle Oil | Mixture | 100 | N.A. | N.A. | | |
| <hr/> <u>Ingredient(s):</u> <hr/> | | | | | | |
| Solvent Dewaxed Heavy Paraffinic Petroleum Distillates | 64742-65-0 | <80 | 5 | 5 | 10 STEL | mg/m ³ ** |
| Polyamine additive | N.A.-P | >20 | 5 | 5 | 10 STEL | mg/m ³ ** |

* = 8-Hr. TWA unless otherwise specified.

** = As mineral oil mist

STEL = Short Term Exposure Limit; 15 minutes.

N.A. = Not Available.

N.A.-P = Information for this component is claimed proprietary by supplier

PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------------|---------------|---------------------------|------|
| Boiling Point 760 mmHg: | N.A. | Melting Point: | N.A. |
| Vapor Pressure mmHg @ 100F: | N.A. | Vapor Density (air=1): | N.A. |
| Solubility in H ₂ O %: | Nil | pH: | N.A. |
| Specific Gravity (H ₂ O): | 0.8713 | Evaporation Rate: | N.A. |
| % Volatile by Volume: | N.A. | (ethyl ether=1) | |
| Viscosity (method, temp): | 35 cSt @ 40°C | | |
| Appearance: Blue liquid | | Odor: Mild petroleum odor | |

N.A. = Not Available

FIRE AND EXPLOSION DATA

| | | |
|------------------------------------|--|-------------|
| Flash Point: | 365°F | |
| Flammable Limits in Air % by Vol.: | Lower: N.A. | Upper: N.A. |
| Autoignition Temperature: | N.A. | |
| Extinguishing Media: | Dry chemical, foam, CO ₂ or water spray. | |
| Special Fire Fighting Procedure: | Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus. | |
| Unusual Fire or Explosion Hazard: | May ignite when sufficient heat is applied. | |

REACTIVITY DATA

| | |
|--------------------------------------|---|
| Stability: | Stable |
| Hazardous Polymerization: | Will not occur. |
| Conditions to Avoid/Incompatibility: | Strong oxidizing agents, heat, spark, flame and build-up of static electricity. |
| Hazardous Decomposition Products: | Fumes, smoke, carbon monoxide, aldehydes, ketones, and oxides of nitrogen. |

HEALTH HAZARD DATA

This product has not been tested as a whole to determine its specific health hazards. The information provided in this section is based on health hazard information on the product components. This product is formulated from base stocks which have been severely hydrotreated or severely solvent extracted. In accordance with the current OSHA Hazard Communication Standard Administration Directives (CPL 2-2.38C) this product does not require a cancer warning.

| | | |
|-------------------------------|---------------------------------|--------------------|
| Carcinogenicity: NTP: No | IARC Monographs: No | OSHA Regulated: No |
| Occupational Exposure Limits: | See <u>COMPOSITION</u> section. | |

Effects of Overexposure:**Acute:**

| | |
|-------------|--|
| Eyes: | May cause slight eye irritation. |
| Skin: | The heavy paraffinic petroleum distillate fraction of this product is believed to be minimally irritating. Frequent or prolonged contact with additive component may cause skin irritation. |
| Inhalation: | Based on health hazards reported for the product components, vapor inhalation under ambient conditions is normally not a problem. Inhalation of oil mist or vapor at elevated temperatures may cause respiratory tract irritation, drowsiness, dizziness, headache and nausea. |
| Ingestion: | Ingestion hazards range from practically non-toxic to minimally toxic for the components of this product. Aspiration hazard if vomiting occurs. |

Chronic:

Prolonged or repeated skin contact may cause skin irritation.

**Additional Medical and
Toxicological Information:**

May aggravate pre-existing dermatitis. The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity in experimental animals of used oils.

EMERGENCY FIRST AID PROCEDURES

- Eye Contact:** Immediately flush with large amounts of water for at least 15 minutes, including under the eyelids. Contact a physician immediately, preferably an Ophthalmologist. Speed and thoroughness in rinsing eyes are important to avoid permanent injury.
- Skin Contact:** Remove contaminated clothing. Wash affected areas with soap and water. If irritation occurs, get medical attention.
- Inhalation:** Remove to fresh air. If breathing has stopped, apply artificial respiration. Get immediate medical attention.
- Ingestion:** Do not induce vomiting. If spontaneous vomiting occurs hold the victim's head lower than hips to prevent aspiration.

SPECIAL PROTECTION INFORMATION

- Eye Protection:** Remove contact lenses and wear chemical safety goggles where contact with liquid or mist may occur.
- Skin Protection:** Wear impervious gloves when contact with skin may occur. Use face shield where splashing may occur. Wash with soap and water before eating, drinking or smoking. Launder contaminated before reuse.
- Inhalation:** Use approved respiratory protective equipment for cleaning large spills or entry into large tanks, vessels or other confined spaces or in situations where exposure may exceed occupational exposure levels.
- Ventilation:** Provide adequate general and local exhaust ventilation: (1) to attain occupational exposure limits; and (2) to prevent the formation of an oxygen deficient atmosphere, particularly in a confined space area.

SPILL OR LEAK AND DISPOSAL PROCEDURES

- Spill Procedures:** Remove sources of heat or ignition including internal combustion engines and power tools. Remove spill using an inert absorbent. Use approved respirator where occupational exposure limits may be exceeded.
- Waste Disposal:** Dispose through a licensed waste disposal company. Follow federal, state and local regulations.

SPECIAL PRECAUTIONS AND COMMENTS

- Storage Requirements:** Store in tightly closed containers in a dry, cool place, away from incompatible materials and sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment. Empty containers may contain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

SARA TITLE III INFORMATION**Section 311/312 Hazard Categorization**

| | | | | |
|--------------|----------------|-------------|-----------------|-----------------|
| <u>Acute</u> | <u>Chronic</u> | <u>Fire</u> | <u>Pressure</u> | <u>Reactive</u> |
| X | X | | | |

SARA Hazardous Substances

| <u>Ingredient</u> | <u>CAS No.</u> | <u>% wt</u> | <u>Sec 313</u> | <u>Sec 302</u> | <u>RQ, lb</u> | <u>TPQ, lb</u> |
|-------------------|----------------|-------------|----------------|----------------|---------------|----------------|
| None | | | | | | |

Key: Sec 313 = Toxic Chemicals, Section 313
 Sec 302 = Extremely Hazardous Substances (EHS)
 RQ = Reportable Quantity of EHS
 TPQ = Threshold Planning Quantity of EHS

CALIFORNIA PROPOSITION 65 WARNING

Chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm may be found in the petroleum products. Although it is possible to sufficiently refine the petroleum products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling these petroleum products.

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