

## UNIVERSAL TWO STROKE OIL

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**PRODUCT NAME:** UNIVERSAL 2 STROKE OIL

**PRODUCT CODE:** A53

**APPLICATION:** Two stroke engine lubrication.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**General:** This product is based on highly refined mineral oil, hydrocarbon solvent and additives.

**Chemical Name CAS No.% Classification**

Distillate (Petroleum) Hydrotreated Light 64742-47-810-20% Xn

### 3. HAZARD IDENTIFICATION

**General:** This product is not classified as hazardous.

### 4. FIRST AID MEASURES

**Eyes:** Immediately wash eye thoroughly with plenty of clean water.

**Skin:** Following contact with the product, wash thoroughly with soap and water. Remove heavily contaminated clothing. Wash contaminated clothing before re-use. If irritation persists, obtain medical advice.

**Ingestion: DO NOT INDUCE VOMITING.** Wash out mouth with water and obtain medical attention. Treat symptomatically. If aspiration is suspected, obtain immediate medical attention.

**Pressure Injection:** Always obtain immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**Flammability:** May support combustion in a serious fire.

**Extinguishing Media:** Foam, dry powder, CO<sub>2</sub>, sand or earth.

**Products of Combustion:** See Section 10

### 6. ACCIDENTAL RELEASE MEASURES

Always prevent entry into drains or watercourses.

Spillages can be slippery.

**Small Spills:** Soak in absorbent granules or sand.

**Large Spills:** Bund using absorbent granules, sand or earth and reclaim bulk liquid.

**Disposal of Spillage:** Via authorised waste disposal contractor. Disposal must be in accordance with the Environmental Protection Act 1990.

### 7. HANDLING AND STORAGE

**Handling:** To avoid the possibility of skin disorders, avoid repeated or prolonged contact with the product.

**Storage:** Store in dry conditions between 0 and 40° C.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Exposure Limits:** As for mineral oil mist: 5mg/m<sup>3</sup> (8 Hr TWA)

**Skin:** Wear oil impervious gloves in cases of prolonged or repeated skin contact. Change heavily contaminated clothing and overalls as soon as possible.

**Inhalation:** Respiratory protection is not normally required.

**Industrial Hygiene:** Wash hands after use, before eating, drinking or smoking and before and after using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Viscous blue – green liquid with Mild Odour

Specific Gravity @ 20° C: 0.88

Solubility in water: Insoluble

Flash Point (C): >150 Autoignition Temp.: >150

Flammability limits in air: Not Known

Vapour Pressure @ 20° C: Not known Vapour Density: Not Known

Boiling Point (C): >250 Melting Point (C): <0

Viscosity @ 40° C (cSt) As viscosity grade for individual product.

## 10. STABILITY AND REACTIVITY

**Stability:** These products are stable and unlikely to react in a hazardous manner under normal conditions of use.

**Conditions to Avoid:** Extremes of temperature. Store between 0 and 40°C.

**Materials to Avoid:** Strong oxidising agents.

**Decomposition Products:** Oxides of carbon, water and traces of other compounds.

## 11. TOXICOLOGICAL INFORMATION

**Eyes:** Eye contact with product may cause transient irritation.

**Skin:** The product in occasional skin contact is unlikely to cause any significant reaction.

**Inhalation:** The product is unlikely to present any significant inhalation hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes or respiratory tract. Repeated excessive exposures to oil mists may cause respiratory damage and a condition resembling pneumonia.

**Ingestion:** The product has a low order of acute oral toxicity; ingestion is not regarded as a significant health hazard likely to arise in normal use. Swallowing significant quantities may cause discomfort, nausea and diarrhoea.

**Aspiration:** Aspiration into the lungs caused by vomiting following ingestion can be hazardous with possible resultant chemically induced pneumonia.

## 12. ECOLOGICAL INFORMATION

**Environmental Assessment:** When used and disposed of as intended, no adverse environmental effects are foreseen.

**Persistence and Degradability:** Inherently biodegradable.

**Ecotoxicity:** Not expected to be ecotoxic to fish / daphnia / algae, or inhibitory to sewage bacteria.

## 13. DISPOSAL CONSIDERATIONS

All means of disposal should comply with local regulations and the Environmental Protection Act 1990. Dispose of the product and containers carefully and responsibly. Do not allow product to contaminate ponds, water courses, soil or drains.

**Used Product:** The product may be incinerated in suitable equipment under controlled conditions. Alternatively, the product can be disposed of via an authorised person / licensed waste disposal contractor.

**Unused Product:** May be sent for reclamation.

## 14. TRANSPORT INFORMATION

Classification: Not classified as dangerous for conveyance.

UN Number: Not Applicable.

## 15. REGULATORY INFORMATION

### 16. OTHER INFORMATION

**Legislation:** Chemical (Hazards, Information and Packaging) regulations 1993.

Environmental Protection Act 1990.

Control of Pollution Act 1974.

The Environmental Protection (Duty of Care) Regulations 1991.

**HSE Publications:** EH 26 Occupational Skin Diseases. Health and Safety Precautions.

EH 40 Occupational Exposure Limits.

EH 58 The Carcinogenicity of Mineral Oils.

SHW 397 Effects of Mineral Oil on the Skin