

**SECTION 1 PRODUCT & COMPANY INFORMATION****MATERIAL IDENTITY:**

**Product code and name:** 46 BIODEGRADABLE HYDRAULIC OIL

**Synonym:** Fluid

**Application:** Biodegradable hydraulic oil

**Manufacturer's name and address:**

APRIL SUPER FLO

9, Beland, L'Isle-Verte Quebec Canada G0L 1K0

Tel.: 418 898-5151 Fax: 1 866 393-3922

**In case of emergency:**

April Super Flo: 1 800 393-3921

CANUTEC: 613 996-6666

**SECTION 2 COMPOSITION & INGREDIENTS INFORMATION**

**Mixture:** This mixture does not contain any substances to be mentioned.

For more information, refer to toxicological information.

**SECTION 3 FIRST AID MEASURES**

**First aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**First aid measures after inhalation:** Allow breathing of fresh air. Allow the victim to rest.

**First aid measures after skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**First aid measures after eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**First aid measures after ingestion:** Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

**Symptoms/injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.

**SECTION 4 FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Foam, dry powder, carbon dioxide, water spray, sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Firefighting instruction:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 5 ACCIDENTAL RELEASE MEASURES**

**Emergency procedures:** Evacuate unnecessary personnel.

**Protective equipment:** Equip cleanup crew with proper protection.

**Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Methods for cleaning up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## SECTION 6 HANDLING & STORAGE

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

**Storage conditions:** Keep only in the original container in a cool, well ventilated place away from direct sunlight and heat sources. Keep container closed when not in use.

**Incompatible products:** Strong bases, strong acids.

**Incompatible materials:** Sources of ignition, direct sunlight.

## SECTION 7 EXPOSURE CONTROL & PERSONAL PROTECTION

### **Control parameters:**

|             |                                      |                      |
|-------------|--------------------------------------|----------------------|
| USA – ACGIH | ACGIH STEL (mg/m <sup>3</sup> )      | 10 mg/m <sup>3</sup> |
| USA – OSHA  | OSHA PEL (STEL) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup>  |

**Personal protective equipment:** Avoid all unnecessary exposure.

**Hand protection:** Wear protective gloves.

**Eye protection:** Chemical goggles or safety glasses.

**Respiratory protection:** Wear appropriate mask.

**Other information:** Do not eat, drink or smoke during use.

## SECTION 8 PHYSICAL & CHEMICAL PROPERTIES

**Physical state:** Liquid

**ISO Viscosity Grade:** 46

**Viscosity Index:** 192

**Pour Point:** -45 °C

**Flash Point:** 270 °C

**Kinematic Viscosity @ 40 °C :** 41.4 - 50.6 mm<sup>2</sup>/s (cSt)

**Density @ 15 °C :** 915 kg/m<sup>3</sup>

**Biodegradability:** > 80 %

\*\*\*For more information, refer to the Technical data sheet.

## SECTION 9 STABILITY & REACTIVITY

**Chemical stability:** Not established.

**Possibility of hazardous reactions:** Not established.

**Conditions to avoid:** Direct sunlight, extremely high or low temperatures.

**Incompatible materials:** Strong acids, strong bases.

**Hazardous decomposition products:** No hazardous decomposition products known. Fume. Carbon monoxide. Carbon dioxide.

## SECTION 10 TOXICOLOGICAL INFORMATION

**Acute toxicity:** Not classified.

**Skin corrosion/irritation:** Not classified. Based on available date, the classification criteria are not met.

**Serious eye damage/irritation:** Not classified. Based on available date, the classification criteria are not met.

**Respiratory or skin sensitisation:** Not classified. Based on available date, the classification criteria are not met.

**Germ cell mutagenicity:** Not classified. Based on available date, the classification criteria are not met.

**Carcinogenicity:** Not classified. Based on available date, the classification criteria are not met.

**Reproductive toxicity:** Not classified. Based on available date, the classification criteria are not met.

**Specific target organ toxicity (single exposure):** Not classified. Based on available date, the classification criteria are not met.

**Specific target organ toxicity (repeated exposure):** Not classified. Based on available date, the classification criteria are not met.

**Aspiration hazard:** Not classified. Based on available date, the classification criteria are not met.

**Potential adverse human health effects and symptoms:** Based on available date, the classification criteria are not met.

**Other information:** Under normal conditions of use, no adverse effects to health have been observed.

#### **SECTION 11 ECOLOGICAL INFORMATION**

**Toxicity:** No additional information available.

**Persistence and degradability:** Product is biodegradable. Not established.

**Bioaccumulative potential:** No supplementary information available. Not established.

**Mobility in soil:** No additional information available.

**Results of PBT and vPvB assessment:** No additional information available.

**Additional information:** Avoid release to the environment.

#### **SECTION 12 DISPOSAL CONSIDERATIONS**

**Regional legislation (waste):** Disposal must be done according to official regulations.

**Waste disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations.

**Ecology – waste materials:** Avoid release to the environment.

#### **SECTION 13 TRANSPORTATION INFORMATION**

This product is not regulated by the Canadian regulation for the transportation of dangerous material on roads or rails.

#### **SECTION 14 REGULATORY INFORMATION**

This product is not controlled under workplace hazardous materials information system (WHMIS).

#### **SECTION 15 OTHER INFORMATION**

The information contained herein is believed to be accurate. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein. Data sheets are available for all company's products. You are urged to obtain data sheets for all the company's products you buy, process or distribute and you are encouraged and requested to advise those who may become in contact with such products of the information contained herein. To determine applicability or effect of any law or regulation with respect to the product, user should consult his legal advisor or the appropriate government agency. APRIL SUPER FLO does not undertake to furnish advice on such matters and declines all responsibility in case of loss or damage, including direct or indirect loss, injuries (including death) caused directly or indirectly by the user of the product or information contained herein.

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