

WHMIS/US OSHA Material Safety Data Sheet for:
United Farmers of Alberta THG Fluid Ultra

Section 1: MANUFACTURER/PREPARER INFORMATION & HAZARD WARNINGS

Imperial Oil - Products Division
240 4th Avenue
Calgary, Alberta, T2P 3M9
Canada

EMERGENCY PHONE
(519) 339-2145 24 Hr.

INFORMATION PHONE
(800) 268-3183

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WHMIS HAZARD SYMBOLS & DEFINITIONS

NOT A CONTROLLED PRODUCT

Section 2: HEALTH HAZARD DATA

ROUTES OF ENTRY/SIGNS & SYMPTOMS OF ACUTE EXPOSURE:

Low order of toxicity. **EYES:** Excessive exposure may result in irritation. **SKIN:** Excessive exposure may result in irritation. High pressure injection under skin may cause serious damage. **INHALATION:** Excessive exposure may result in irritation. **INGESTION:** N/A. **NOTE:** This material should not be used for any other purpose than **hydraulic fluid** without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

Chronic Effects: None known. **Carcinogens:** None listed. **Medical Conditions Aggravated by Exposure:** None known.

EMERGENCY & FIRST AID PROCEDURES:

EYES: Flush thoroughly with water. If irritation occurs, get medical assistance. **SKIN:** Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. **INHALATION:** Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. **INGESTION:** First aid is not normally required. Seek medical attention if discomfort occurs.

Section 3: PREVENTATIVE MEASURES

Respiratory Protection: No special requirements under ordinary conditions of use and with adequate ventilation. For high airborne concentrations, use an approved supplied-air respirator in positive pressure mode.

Ventilation: No special requirements under ordinary conditions of use and with adequate ventilation.

Gloves: Not ordinarily required under normal conditions of use. **Eye Protection:** Where eye contact may occur, wear safety glasses with sideshields. **Other Protective Measures:** Not ordinarily required under normal conditions of use.

Work/Hygienic Practices: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard clothing and footwear that cannot be cleaned. Practise good housekeeping.

Handling and Storing: Prevent small spills and leakage to avoid slip hazard. This material is a static accumulator. Do not store in open or unlabelled containers.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

N/A=Not Applicable. N/E=Not Evaluated/Established. N/R=Not Reported by Manufacturer.

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Section 4: HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Hazardous Component Name	CAS #	OSHA PEL	ACGIH-TLV	Other Limit	% Wt
NO REPORTABLE HAZARDOUS SUBSTANCE(S) OR COMPLEX SUBSTANCE(S).	N/A	N/A	N/A	Mfr recommends: 5 mg/m3 TLV 10 mg/m3 STEL	N/A

§ indicates a toxic chemical subject to the reporting requirements of SARA Title III, Section 313.

† indicates a chemical known to the State of California to cause cancer, birth defects or other reproductive harm per Proposition 65.

Section 5: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	>322°C/612°F	Specific Gravity:	0.88 @ 15°C
Vapor Pressure:	0.013 kPa @ 20°C	Percent Volatile:	N/R
Vapor Density (Air=1):	>2 @ 101 kPa	Evaporation Rate:	N/E
Solubility in Water:	Negligible	pH:	N/A
Appearance/Odor:	Amber liquid/Characteristic odour.		

Section 6: FIRE & EXPLOSION HAZARD DATA

Flash Point (Method): 220°C/428°F (ASTM D92) **Flammable Limits. LEL:** 0.9% **UEL:** 7.0%

Extinguishing Media: Water fog, foam, dry chemical or CO₂. Avoid straight streams of water.

Special Firefighting Procedures: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use standard protective equipment and in enclosed spaces, SCBA. Use water spray to cool fire-exposed surfaces and to protect personnel.

Unusual Fire and Explosion Hazards: Pressurised mists may form a flammable mixture. Products of combustion include smoke, fume, sulphur oxides, aldehydes, oxides of carbon, incomplete combustion products.

Section 7: REACTIVITY DATA

Stability: Stable under normal conditions. **Hazardous Polymerisation:** Will not occur. **Conditions to Avoid:** Excessive heat, high energy sources of ignition. **Incompatibility:** Strong oxidising agents. **Hazardous Decomposition Products:** See Section 6 above. Material does not decompose at ambient temperatures.

Section 8: SPILLS, DISPOSAL & ADDITIONAL INFORMATION

Spill/Leak Procedures: LAND SPILL: Stop leak if you can do so without risk. Recover by pumping or with suitable absorbent.. WATER SPILL: Stop leak if you can do so without risk.. Confine the spill immediately with booms. Warn other shipping. Remove from surface by skimming or with suitable absorbents. Seek specialist advice before using dispersants.

Waste Disposal: Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal

Additional Information: HMIS (USA) Hazard Rating: Health-0, Flammability-1, Reactivity-0. **Empty Container Warning** (where applicable): Empty containers may retain residue and can be dangerous. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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