

Kaybob Frac Oil 300**Section 1: MANUFACTURER/PREPARER INFORMATION & HAZARD WARNINGS**

Amoco Canada Petroleum Company Ltd.
240 4th Ave SW
Calgary, Alberta T2P 2H8

EMERGENCY PHONE
1 (613) 996-6666 CANUTEC

INFORMATION PHONE
1 (312) 856-3907

DATE ISSUED/REVISED
Jul 20, 1995

LAST VALIDATED ON
Aug 22, 2010

WHMIS HAZARD SYMBOLS & DEFINITIONS

Class D-2: Poisonous & infectious material: other toxic effects

Class B: Combustible & flammable material

Section 2: HEALTH HAZARD DATA**ROUTES OF ENTRY/SIGNS & SYMPTOMS OF ACUTE EXPOSURE:**

EYES: Causes eye irritation. **SKIN:** Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. **INHALATION:** High vapour concentrations can cause headaches, dizziness, drowsiness and nausea, and may lead to unconsciousness. Causes respiratory irritation. (4 hr LC50=>6700 ppm Rat). **INGESTION:** Harmful or fatal if liquid is aspirated into the lungs.

Chronic Effects: Some liver damage and lung inflammation were seen in chronic studies in guinea pigs but not in rats. **Carcinogens:** None listed by IARC, NTP, ACGIH & CCGIH. **Medical Conditions Aggravated by Exposure:** N/R.

EMERGENCY & FIRST AID PROCEDURES:

EYES: Immediately flush with plenty of water for at least 15 minutes. Then get immediate medical attention. **SKIN:** Immediately wash with soap and water. Wash and dry contaminated clothing before reuse. If irritation develops, consult a physician. **INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. **INGESTION:** If swallowed, DO NOT INDUCE VOMITING. Drink plenty of water. Get immediate medical attention.

Section 3: PREVENTATIVE MEASURES

Respiratory Protection: If ventilation is inadequate, use respirator that will protect against organic vapour and dust/mist.

Ventilation: Use with adequate ventilation. Control airborne concentrations below the exposure guidelines in Section 4.

Gloves: Avoid prolonged or repeated contact. Wear protective clothing and gloves where prolonged or repeated contact is likely. **Eye Protection:** Do not get in eyes. Wear chemical goggles. **Other Protective Measures:** N/R.

Work/Hygienic Practices: N/R

Handling and Storing: Keep away from ignition sources (e.g., heat, sparks or open flames). Use with adequate ventilation. Do not breathe vapours. Store in flammable liquids storage area. Store away from heat, ignition sources and open flame in accordance with applicable regulations. Keep container closed.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

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

Continued on Page 2

Section 4: HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Hazardous Component Name	CAS #	OSHA PEL	ACGIH-TLV	Other Limit	% Wt
§† Toluene	108-88-3	N/R	50 ppm Skin	N/A	1-5
§ Xylene	1330-20-7	N/R	100 ppm	150 ppm STEL	10-30
Trimethylbenzene	25551-13-7	N/R	25 ppm	N/A	1-5
n-Octane	111-65-9	N/R	300 ppm	375 ppm STEL	7-13

§ 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:	N/E	Specific Gravity:	0.81
Vapor Pressure:	N/E	Percent Volatile:	N/R
Vapor Density (Air=1):	>1	Evaporation Rate:	N/R
Solubility in Water:	Insoluble	pH:	N/R
Appearance/Odor:	Opaque amber liquid/Petroleum odour.		

Section 6: FIRE & EXPLOSION HAZARD DATA

Flash Point (Method):	28.5°C (TCC) FLAMMABLE	Flammable Limits. LEL:	N/E	UEL:	N/E
Extinguishing Media:	Foam, dry chemical or CO2 or water fog.				

Special Firefighting Procedures: Fire-fighters should wear full bunker gear, including a positive pressure SCBA.

Unusual Fire and Explosion Hazards: Flammable liquid. Vapour may explode if ignited in enclosed area. Burning can produce CO and/or CO2 and other harmful products.

Section 7: REACTIVITY DATA

Stability: Stable. **Hazardous Polymerisation:** Will not occur. **Conditions to Avoid:** Keep away from ignition sources (e.g. heat; sparks or open flames). **Incompatibility:** Avoid fluorine, chlorine and other strong oxidisers. **Hazardous Decomposition Products:** None identified.

Section 8: SPILLS, DISPOSAL & ADDITIONAL INFORMATION

Spill/Leak Procedures: Remove or shut off all sources of ignition. Remove mechanically or contain on an absorbent material such as dry sand or earth. Keep out of sewers or waterways.

Waste Disposal: Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

Additional Information: The container for this product can present explosion or fire hazards, even when emptied! To avoid risk of injury, do not cut, puncture or weld on or near this container. Since the emptied containers retain product residue, follow label warnings even after container is emptied.

The information contained in this EndUser Material Safety Data Sheet™ has been compiled by MSDS Rx from original manufacturer's data. Efforts have been made by MSDS Rx to check for completeness and accuracy. MSDS Rx and no other entity is responsible for any variations between the original manufacturer's data sheet and the content of the EndUser MSDS™. Since the conditions under which this information may be applied are beyond our control, neither the manufacturer nor MSDS Rx assumes any liability for any results or effects of its use or application. E&OE.