ULTRA COOL INC
4839 UNION RD
BEAMSVILLE, ON L3J 0V6
www.ultracool.ca
905-643-0060

PRODUCT: Ultra Cool Oil Lube **CODE: UC-314**

SECTION 01: IDENTIFICATION

Product Identifier.....Ultra Cool Oil Lube
Other means of Identification..... UC-314,UC-503
Chemical Family. .....Mixture.
Recommended use and restrictions.....Oil for A/C Units.
Initial Supplier Identifier.....Ultra Cool Inc
4839 Union Rd
Beamville, ON L3J 0V6
Tel: 905-643-0060
Fax: 905-828-8070
Contact..... Tony Miceli: info@ultracool.ca
Emergency telephone number and any restrictions on the use of that number ... Ultra Cool Products: 905-643-0060 (9:00 - 5:00; M-F) . In the event of a transport emergency contact CANUTEC at (613) 996-6666. .

SECTION 02: HAZARD IDENTIFICATION



Signal Word. .....DANGER.
Hazard Classification..... Flammable Gases — Category 1. Gases Under Pressure — Liquefied Gas.
Hazard Statements. .....H220 Extremely flammable gas . H280 Contains gas under pressure; may explode if heated .
Prevention..... P210 Keep away from all sources of heat, sparks, open flames, hot surfaces. No smoking.
Response.....P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely . P381 In case of leakage, eliminate all ignition sources .
Storage..... P410 + P403 Protect from sunlight. Store in a well-ventilated place .
Disposal. .....Dispose of contents and empty containers in accordance with local regulations.
Other hazards. .....May displace oxygen and cause rapid suffocation . Contact with the product may cause cold burns or frostbite.
Mixture Statement.....This product has been classified based upon the information provided by the supplier.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Lubricating Oil	Mix	30-60
Isobutane	75-28-5	10-30
Propane	74-98-6	10-30

SECTION 04: FIRST-AID MEASURES

FIRST AID MEASURES:
Skin Contact.....If frostbite or freezing occurs, immediately flush with plenty of lukewarm water to GENTLY warm the affected area. Do not use hot water. Do not rub affected area. Get immediate medical attention. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye Contact. .....Check for an remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Ingestion..... Ingestion is an unlikely route of exposure for a gas. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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SECTION 04: FIRST-AID MEASURES

Symptoms and effects. ..... Harmful if inhaled. Gas can be toxic as simple asphyxiant by displacing oxygen from the air. Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite. The main symptoms associated with simple asphyxia are headache, nausea, dizziness, incoordination, breathing difficulties, loss of consciousness and possibly anoxia-related death.

Medical attention and special treatment.... Treat symptomatically. Adverse symptoms may include frostbite. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet. The administration of oxygen requires additional training.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable and unsuitable extinguishing media ..... Carbon dioxide, dry chemical, alcohol foam. Do not use water jet. Water can be used to cool and protect exposed material.

Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products ..... Contains gas under pressure. Extremely flammable gas. Mixed with air can produce an explosive mixture. Reacts with strong oxidants causing fire and explosion hazard. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Special protective equipment and precautions for fire-fighters ..... Evacuate area. Fight fire remotely due to the risk of explosion. Eliminate all ignition sources if safe to do so. Cut off gas supply if safe to do so. Cool fire-exposed containers with cold water spray. Heat will cause pressure build up and may cause explosive rupture . Use self-contained breathing apparatus and full firefighting gear. Decomposition and combustion products may be toxic. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures ..... No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). Use special care to avoid static electric charges. No flares, smoking or flames in hazard area. Do not get in eyes, on skin, or on clothing. Do not breathe gas.

Methods and materials for containment and cleaning up .. Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Ventilate area. Do not take up in combustible material such as: saw dust or cellulosic material. Contact competent authorities after a spill.

SECTION 07: HANDLING AND STORAGE

Precautions for safe handling..... Exposure to this product requires prior training and information. Read the information on the label and the safety data sheet before handling this product. Personnel should be trained to regularly inspect equipment such as pumps, hoses, and valves. Contains gas under pressure. Put on appropriate personal protective equipment. Do not enter storage areas and confined spaces unless adequately ventilated. Wear appropriate respirator when ventilation is inadequate. Close valve after each use and when empty. Open valve slowly to avoid pressure shock. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities Contents under pressure. Store in accordance with local regulations. Store in a segregated and approved area. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling. Store away from all sources of heat and ignition. Oxidizing agents. Store away from direct sunlight. Keep container tightly closed in a well ventilated area. Keep at temperatures below 52 °C/125 °F.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL PEL	OSHA PEL STEL	NIOSH REL
Lubricating Oil	Not available	Not available	Not available	Not available	Not available
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Propane	Not available	Not available	1,000 ppm	Not available	Not available

Appropriate engineering controls. ..... Gas detectors should be used when toxic gases may be released. Use local exhaust ventilation to maintain airborne concentrations below the TLV. Suitable respiratory

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls. ..... equipment should be used in cases of insufficient ventilation or where operational procedures demand it. For guidance on engineering control measures refer to publications such as the ACGIH current edition of 'Industrial Ventilation, a manual of Recommended Practice. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion -proof ventilation equipment.

Individual protection measures, such as personal protective equipment

Eye/Type..... Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Gloves/Type..... Wear skin protection equipment. The selection of skin protection equipment depends on the nature of the work to be performed. Wear cold insulating gloves for thermal hazard protection. Contact glove supplier for additional information.

Footwear/Type. ..... Wear safety boots per local regulations.

Clothing/Type..... Wear adequate protective clothing to prevent skin contact.

Respiratory/Type..... Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

Other/Type. ..... Handle in accordance with good industrial hygiene and safety practice. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Emergency eye wash station and shower should be available. Anyone handling this product should wash their hands and face before eating, drinking or using tobacco products. NO SMOKING.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.
Physical Appearance. ..... Pale yellow .
Odor..... Characteristic .
Odor Threshold (ppm)..... N/A.
Specific Gravity..... N/A.
Vapor Pressure (@ 20°C)..... Not applicable.
Vapour Density (Air=1)..... N/A.
pH. ..... N/A.
Boiling Point (Propellant), ° C. ..... 11.72°C (10.9°F).
Melting/Freezing Point (°C)..... N/A.
Flash Point (°C), Method..... -82.8. Tag Closed Cup. (Isobutane).
Flashback..... No data .
Evaporation Rate (n-Butyl Acetate = 1). ..... >1 .
VOC Content..... No data.
Solubility in water..... Insoluble.
Aerosol Flame Projection..... N/A.
Auto Ignition Temperature (°C)..... 460°C (860°F). (Isobutane).
Lower Flammable Limit (% Vol)..... 1.8. (Isobutane).
Upper Flammable Limit (% Vol)..... 8.8. (Isobutane).
Coefficient of Water/Oil Distribution..... N/A.
Viscosity..... N/A.

SECTION 10: STABILITY AND REACTIVITY

Reactivity. ..... Contains gas under pressure; may explode if heated. Reacts with oxidants causing fire and explosion hazard.
Chemical stability..... Stable at normal temperatures and pressures.
Possibility of hazardous reactions..... Will not polymerize.
Conditions to avoid, including static discharge, shock or vibration ..... Avoid all sources of ignition: heat, sparks, open flame. Avoid sunlight. Avoid extreme temperatures.
Incompatible materials..... Strong oxidizing agents.
Hazardous decomposition products..... No hazardous decomposition products if stored and handled as prescribed/indicated. By fire:. Carbon dioxide, carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Lubricating Oil	Not available	Not available
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Propane	658 mg/L (Rat - 4 hrs)	Not available

Information on Likely Routes of Exposure:
Routes of entry - Inhalation..... Yes.

Routes of entry - Skin & Eye.	No.
Routes of entry - Ingestion.	No.
Routes of entry - Skin Absorption.	No.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	
Acute Toxicity	No known significant effects.
Skin Corrosion/Irritation.	May cause mild skin irritation.
Serious Eye Damage/Eye Irritation.	May irritate eyes.
Respiratory or Skin Sensitization.	Not expected to be a skin or respiratory sensitizers.
Germ Cell Mutagenicity.	No information is available, and no adverse effects are expected.
Carcinogenicity.	None of the ingredients are listed as possibly carcinogenic to humans by IARC or ACGIH.
Reproductive Toxicity.	Contains no ingredient listed as toxic to reproduction.
STOT - Single Exposure.	Based on available data, the classification criteria are not met.
STOT - Repeated Exposure.	Based on available data, the classification criteria are not met.
Aspiration Hazard.	Not classified.
Chronic Effects.	Prolonged inhalation may be harmful.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.	Complete information is not yet available. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions .
Persistence and degradability	The product itself has not been tested.
Bioaccumulation Potential.	The product itself has not been tested.
Mobility in Soil.	The product itself has not been tested.
Other Adverse Effects.	None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.	Empty containers may be recycled. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with current local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road).	UN1950, AEROSOLS, Class 2.1, Ltd. Qty.
DOT (US-Road).	UN1950, AEROSOLS, Class 2.1, Ltd. Qty., Consumer Commodity ORM-D.
IMDG (International- Marine).	UN1950, AEROSOLS, Class 2.1, Ltd. Qty.
IATA (International- Air).	UN1950, AEROSOLS, Class 2.1, Ltd. Qty.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:	Refer to Section 2 for a WHMIS 2015 Classification for this product.
Canadian Environmental Protection Act (CEPA)	All ingredients listed appear on the Domestic Substances List (DSL).
US Regulations.	Environmental Protection Act: Constituents of this product are included on the TSCA inventory.
OSHA.	This product is considered hazardous under the Federal OSHA hazard communication standard.

SECTION 16: OTHER INFORMATION

Disclaimer.	The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
Abbreviations.	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
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