

**Material Name: Mobile A/C Refrigerant Ester 100***(Includes 8oz & Quart Bottles)***SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION:**

**TRADE NAME:** Masterchem Ultra Ester ISO100  
**Manufacturer/Supplier:** Santech Industries, Inc  
**Address:** 2450 Handley Ederville Rd. Ft. Worth, TX 76118 USA  
**Phone Number:** 1-817-589-1212  
**Fax Number:** 1-817-589-5900  
**EMERGENCY PHONE NUMBER:** 1-800-424-9300 (Chemtrec)

**SECTION 2 - COMPOSITION/INFORMATION ON THE COMPONENTS:**

Contains no ingredients now known to be hazardous as defined by OSHA.  
Castrol is registered in the U.S Patent and Trademark Office.

**SECTION 3 - HAZARD IDENTIFICATION:**

**EMERGENCY OVERVIEW:** Caution: Harmful if swallowed. This mineral is irritating to skin, eyes and mucous membranes. Ingestion of this product may cause gastrointestinal distress with symptoms of nausea, vomiting, diarrhea and abdominal pain.

**SECTION 4 - FIRST AID MEASURES:**

**FIRST AID - EYES:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**SKIN:** Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists. Wash with soap and water. Use skincream for defatted areas.

**INGESTION:** DO NOT INDUCE VOMITING. Give nothing by mouth. Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

**INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**ADVICE TO PHYSICIANS:** Do not induce vomiting. Get medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES:****FLAMMABLE PROPERTIES:**

**FLASH POINT °F (°C):** >450° F. (>232° C.)  
**FLASH POINT METHOD:** COC  
**FLAMMABLE LIMITS IN AIR - LOWER (%):** Not Determined.  
**FLAMMABLE LIMITS IN AIR - UPPER (%):** Not Determined.  
**AUTOIGNITION TEMPERATURE °F (°C):** Not Determined.  
**EXTINGUISHING MEDIA:** Carbon dioxide. Dry chemical. Foam.

**PROTECTION OF FIRE-FIGHTERS:**

**SPECIAL FIRE-FIGHTING PROCEDURES:** Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, nitrogen and phosphorus.

**AEROSOL COMMENTS:** Not Applicable.

**Material Name: Masterchem Ultra Ester ISO100**

*(Includes 8oz & Quart Bottles)*

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES:

**PERSONAL PRECAUTIONS:** Wear appropriate protective clothing and equipment to prevent skin and eye contact.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter sanitary drain, sewer or surface and subsurface waters.

**SPILLAGES:** Wear protective equipment specified. Contain any liquid from leaking containers.  
Absorb spills on inert material such as perlite, vermiculite, sand and dirt.  
Place in double polyethylene bags. Isolate from other waste materials.  
Wash walking surfaces with detergent and water to reduce slipping hazard.

#### SECTION 7 - HANDLING AND STORAGE:

**HANDLING:** Avoid contact with eyes. Keep containers tightly closed when not in use. Use only in a well ventilated area.  
Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day.  
Disposable clothing should be discarded with material. Wash thoroughly after handling. Do not Swallow.

**STORAGE:** Store at room temperature. Avoid prolonged/repeated breathing of vapors, mists or fumes.

#### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:

**ENGINEERING CONTROL MEASURES:** Eyewash stations. Showers. Use local exhaust.

**EYE PROTECTION:** Chemical Goggles; also wear a face shield if splashing hazard exists.

**SKIN PROTECTION:** Neoprene coated apron or clothing.

**RESPIRATORY PROTECTION:** Appropriate respiratory shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE:</b>	Clear, yellow solution.	<b>BULK DENSITY AT 20° C:</b>	Not Determined.
<b>ODOR:</b>	MILD	<b>MOLECULAR WEIGHT:</b>	Mixture
<b>pH VALUE:</b>	Not Determined.	<b>EVAPORATION RATE:</b>	Not Determined.
<b>SOLUBILITY IN WATER:</b>	INSOLUBLE	<b>VISCOSITY:</b>	Not Applicable
<b>VAPOR PRESSURE:</b>	Not Determined.	<b>SPECIFIC GRAVITY (H2O=1):</b>	.9500 @ 60° F
<b>VAPOR DENSITY (AIR=1):</b>	Not Determined.	<b>VOC CONTENT (%):</b>	Not Determined.
<b>BOILING POINT (°F):</b>	>392° F.	<b>DECOMPOSITION TEMPERATURE:</b>	Not known.
<b>MELTING/FREEZING POINT:</b>	Not Determined.		

#### SECTION 10 - STABILITY AND REACTIVITY:

**CHEMICAL STABILITY:** Stable under normal conditions of handling, use and transportation.

**CONDITIONS TO AVOID:** High temperatures.

**MATERIALS TO AVOID:** Strong oxidizing agents, Strong acids and bases.

**HAZARDOUS DECOMPOSITION:** Oxides of nitrogen Oxides of carbon, Oxides of phosphorus.

**HAZARDOUS POLYMERIZATION:** Not Determined.

#### SECTION 11 - TOXICOLOGICAL INFORMATION:

##### TOXICOLOGICAL DATA:

**CARCINOGENICITY:** No component known to be present in this product at >.1% is presently listed as a carcinogen  
be IARC, NTP or OSHA

**Material Name: Masterchem Ultra Ester ISO100***(Includes 8oz & Quart Bottles)*

---

**SECTION 12 - ECOLOGICAL INFORMATION:**

---

Ecological testing has not been conducted on the product.

---

**SECTION 13 - DISPOSAL**

---

**WASTE CLASSIFICATION:** This product as purchased does not fall under current U.S. EPA RCR definitions of hazardous waste. Under RCRA it is the generator's responsibility to determine the status of the waste at the time of its disposal. This product does not contain any CERCLA regulated materials.

**WASTE MANAGEMENT:** Not Determined.  
Disposal of this product to the land may be banned by federal law (40 CFR 268).

---

**SECTION 14 - TRANSPORT INFORMATION:**

---

**U.S DOT:**

**PROPER SHIPPING NAME:** Not Regulated  
**HAZARD CLASS:** Not Applicable.  
**UN/NA NUMBER:** Not Applicable.  
**DOT PACKING GROUP:** Not Applicable.  
**DOT PACKING GROUP:** Not Applicable.

**IMDG:**

**PROPER SHIPPING NAME:** Not Regulated  
**HAZARD CLASS:** Not Applicable.  
**HAZARD SUBCLASS:** Not Applicable.  
**UN NUMBER:** Not Applicable.  
**PACKING GROUP:** Not Applicable.  
**MARINE POLLUTANT:** No.

---

**SECTION 15 - REGULATORY INFORMATION:**

---

**US FEDERAL REGULATION:****SARA 311/312 HAZARD**

**CATEGORIES:** Immediate Delayed.

**STATE REGULATIONS:**

**U.S. TSCA:** The components of this product are listed on this TSCA inventory.

---

**SECTION 15 - OTHER INFORMATION:**

---

**GENERAL NOTES:** Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

**DISCLAIMER:**

The information and recommendations contained herein are based upon tests believed to be reliable. However, Santech Industries, Inc. does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

Adjustment to conform to actual conditions of usage may be required. Santech Industries, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or applied.