

MSDS No. 211

**MATERIAL SAFETY DATA SHEET****Warren Unilube, Inc.**

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**Chemtrec Number:**  
**Domestic:** 800-424-9300  
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**PRODUCT IDENTIFICATION**

**Trade Name:** Coastal Iso-Dry

**Date Revised:** September 12, 2006

**Synonyms/Product Code:** N.A.  
**Chemical Name:** N.A.  
**Family Description:** Alcohol  
**DOT Hazard Class:** Flammable Liquid; UN 1219

**NFPA Codes:** Health=1, Flammability=3, Reactivity=0

**COMPOSITION**

<u>Ingredient(s)</u>	<u>CAS Number</u>	<u>Wt%</u>	<u>Occupational Exposure Limits*</u>			<u>Units</u>
			<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>Other</u>	
Isopropanol	67-63-0	100	400	400	500 STEL	ppm

\* = 8-Hr. TWA unless otherwise specified.

\*\* = SKIN notation indicates that absorption through the skin contributes to the overall exposure.

STEL = Short Term Exposure Limit; 15 minutes.

N.A. = Not Available.

**PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point @ 760 mmHg:	180°F	Melting Point: N.A.
Vapor Pressure mmHg @ 25C:	44	Vapor Density (air = 1): 2.1
Solubility in H <sub>2</sub> O%:	100	pH: N.A.
Specific Gravity (H <sub>2</sub> O = 1):	0.7855	Evaporation Rate: 2
% Volatile by Weight:	100	(n-Butyl Acetate = 1)
Viscosity (method, temp):	N.A.	Odor: Alcohol odor
Appearance:	Clear Liquid	

N.A. = Not Available

**FIRE AND EXPLOSION DATA**

Flash Point:	54°F (TCC)	
Flammable Limits in Air % by Vol.:	Lower: 2.0	Upper: 12.7
Autoignition Temperature:	750°F (399 C)	
Extinguishing Media:	Dry chemical, alcohol foam, or carbon dioxide.	
Special Fire Fighting Procedure:	Water spray should be used to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus.	
Unusual Fire or Explosion Hazard:	May ignite when sufficient heat is applied. Vapors are heavier than air and may travel a considerable distance to an ignition source and flashback. Flame may not be visible in daylight.	

**REACTIVITY DATA**

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Conditions to Avoid/Incompatibility:	Heat, flame, strong oxidizers, acetaldehyde, acids, chlorine, ethylene oxide, hydrogen-palladium combination, hydrogen peroxide-sulfuric acid combination, potassium tert-butoxide, hypochlorous acid, isocyanates, nitroform, phosgene, aluminum, oleum and perchloric acid.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, and/or formaldehyde.

**HEALTH HAZARD DATA**

Carcinogenicity: NTP: No	IARC Monographs: No	OSHA Regulated: No
Occupational Exposure Limits:	See <u>COMPOSITION</u> section.	

**Effects of Overexposure:****Acute:**

Eyes:	Mild eye irritant.
Skin:	Mildly irritating to the skin upon prolonged contact. Harmful amounts can be absorbed through the skin.
Inhalation:	Inhalation of vapors irritates the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headache, staggering, unconsciousness and possibly death.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting, headache, dizziness, delirium, pulmonary difficulty, varying degrees of transitory blindness, coma, liver and kidney damage. <b>INGESTION OF THIS PRODUCT MAY LEAD TO DEATH.</b>

**Chronic:**

Chronic exposure may cause skin effects.

**Additional Medical and  
Toxicological Information:**

May aggravate pre-existing dermatitis. Persons with preexisting respiratory, liver, kidney, or pulmonary diseases may be adversely affected by this product at levels above exposure standards

**EMERGENCY FIRST AID PROCEDURES****Eye Contact:**

Immediately flush with large amounts of water for at least 15 minutes, including under the eyelids. Contact a physician immediately, preferably an Ophthalmologist.

**Skin Contact:**

Immediately remove contaminated clothing and shoes. Wash affected areas with soap and flush with large amounts of water. If irritation persists, get medical attention.

**Inhalation:**

Remove to fresh air. If breathing has stopped, apply artificial respiration. Get immediate medical attention.

**Ingestion:**

Never give anything by mouth to an unconscious or convulsing person. Have the affected person, if conscious, drink large amounts of water. Get immediate medical attention.

**SPECIAL PROTECTION INFORMATION****Eye Protection:**

Remove contact lenses. Wear chemical safety goggles where contact with liquid or mist may occur.

**Skin Protection:**

Wear impervious gloves when contact with skin may occur. Use face shield where splashing may occur. Launder contaminated clothing before reuse. Wash with soap and water before eating, drinking and smoking.

**Inhalation:**

Use approved respiratory protective equipment for cleaning large spills or entry into large tanks, vessels or other confined spaces or in situations where exposure may exceed occupational exposure levels.

**Ventilation:**

Provide adequate general and local exhaust ventilation:  
(1) to keep mist or vapors below occupational exposure levels, (2) prevent the formation of an oxygen deficient atmosphere, particularly in a confined space area; (3) to prevent the formation of explosive atmospheres.

**SPILL OR LEAK AND DISPOSAL PROCEDURES****Spill Procedures:**

Remove sources of heat or ignition. Remove spill with vacuum trucks or pump and soak up residue with an absorbent. Use approved respirator where occupational exposure limits may be exceeded.

**Waste Disposal:**

Dispose through a licensed waste disposal company. Follow federal, state and local regulations.

**SPECIAL PRECAUTIONS AND COMMENTS****Storage Requirements:**

Store in tightly closed containers in a cool, dry place, away from incompatible materials or sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment.

Empty containers may contain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. Do not store in aluminum containers.

### SARA TITLE III INFORMATION

#### Section 311/312 Hazard Categorization

<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>
X	X	X		

#### SARA Hazardous Substances

<u>Ingredient</u>	<u>CAS No.</u>	<u>%, wt</u>	<u>Sec 313</u>	<u>Sec 302</u>	<u>RQ, lb</u>	<u>TPQ, lb</u>
Methyl Alcohol	67-56-1	100	X			

Key: Sec 313 = Toxic Chemicals, Section 313  
 Sec 302 = Extremely Hazardous Substances (EHS)  
 RQ = Reportable Quantity of EHS  
 TPQ = Threshold Planning Quantity of EHS

### CALIFORNIA PROPOSITION 65 WARNING

None of the chemicals on the current Proposition 65 list are known to be present in this product.

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THIS COMPANY'S KNOWLEDGE AND BELIEVED ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABLENESS AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.