

# Lighthouse Lubricants Material Safety Data Sheet



Lighthouse Lubricants  
PO Box 12494  
Overland Park, KS 66282-2494  
USA

Product Information: 913-642-2200  
Fax: 913-642-2200  
Medical Emergency: 913-642-2200  
Transportation Emergency: 913-642-2200

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product:** Crystalcut 300  
**CAS Registry Number:** Not applicable for mixtures.  
**Synonyms:** Quartz Processing Fluid  
**Item Number:**  
**Generic/Chemical Name:**  
**Product Type:** Petroleum-Based Abrasive Suspension Fluid  
**Preparation/Revision Date:** January 12, 2001

## SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%	ACGIH TWA	OSHA PEL	OSHA STEL	SKIN
Alkyl Aryl Amine Sulphonate	Mixture	10-70	none	none	none	No
Ethanol 2,2',2",nitrilo-tris	102-76- 8	<1	established	established	established	No
Silicon Dioxide	60678-86-0	<1	none	none	none	No
Sodium Salt	54193-36-1	<1	established	established	established	No
Water	N/A	30-90	Not established	Not established	Not established	N/A

## SECTION 3 HAZARDS IDENTIFICATION

**WARNING:** - NONE REQUIRED

**Eye Contact:** This product would not be expected to produce irritation upon contact with the eyes.

**Skin Contact:** Minimal irritation may occur due to loss of natural oils in the skin upon prolonged contact. No acute effects are reported.

**Inhalation:** This product is not expected to present an inhalation hazard unless mists are generated. Inhalation of product mist may be irritating to the respiratory tract. Caution should be taken to prevent forming aerosol or misting of this product without proper respiratory protection.

**Ingestion:** Amounts ingested incidental to industrial handling are not likely to cause injury, however ingestion of larger amounts may cause injury.

## SECTION 4 FIRST AID MEASURES

**Eye Contact:** Not expected to require first aid measures. Flush with clean water.

**Skin Contact:** In case of contact, wash skin with soap and plenty of water. Remove contaminated clothing. If redness and irritation symptoms occur, seek medical aid. Wash contaminated clothing before reuse.

**Inhalation:** If inhaled and irritation or difficulty in breathing occurs, remove to fresh air. Seek medical attention if irritation or discomfort persists.

**Oral Contact:** If victim is conscious, immediately give copious amounts of water and attempt to induce vomiting. GET MEDICAL ATTENTION. Never give anything to an unconscious person or attempt to induce vomiting.

## SECTION 5 FIRE FIGHTING MEASURES

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**Flash Point:** 220F COC  
**Upper Flammable Limit:** Not applicable.  
**Lower Flammable Limit:** Not applicable.  
**Extinguishing Media:** Dry chemical, foam, carbon dioxide if appropriate.  
**Special Fire fighting Procedures:** Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.  
**Unusual Fire & Explosion Hazards:** No unusual hazards.  
**Byproducts of Combustion:** Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, ammonia, and/or nitrogen oxides.  
**Autoignition Temperature:** Not determined.  
**Explosion Data:** Not determined. Care should always be exercised in mist areas.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Spill Control Procedures (Land):** Wearing appropriate personal protective equipment, contain spill in as small an area as possible by using a dyke with non-combustible inorganic material and recover free liquid. Prevent run-off from entering storm drains, surface or soil. Collect inert absorbent and place into suitable DOP approved containers. Flush remaining residue with water.

**Spill Control Procedures (Water):** Water-soluble. Not expected to create an environmental hazard.

**Waste Disposal Method:** All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations.

## SECTION 7 HANDLING AND STORAGE

**Handling Procedures:** Avoid prolonged or repeated contact with skin and clothing. Avoid breathing mist. Use with adequate ventilation. Wash thoroughly after handling. Keep container closed when not in use.

**Storage Procedures:** Store in a cool dry place and protect containers from damage. Do not store in direct sunlight, high temperatures or below freezing.

**Additional Information:** No additional information.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal Protection:** Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.

**Respiratory Protection:** When misting may occur in the work area, use a NIOSH approved respirator in accordance with respiratory requirements of OSHA 29 CFR 1910.134.

**Eye and Face Protection:** Eye protection is always recommended. Use splash goggles or face shield.

**Hand Protection:** Chemical resistant gloves to avoid skin sensitization and absorption.

**Other Protection:** Use of an apron or other protective clothing is recommended to avoid skin sensitization. Launder soiled clothes.

**Local Control Measures:** Use adequate ventilation when working with material in an enclosed area. Use exhaust ventilation where mist or spray may be generated. Eyewash stations and showers should be available in where this material is used and stored.

**Other:** Good practice dictates that consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking, or smoking.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Vapor Pressure:** 23 mm Hg  
**API Gravity:** 5.9° at 15.6°C (60°F) by ASTM D 1298  
**Density:** 8.58 lb./gal at 15.6°C (60°F) by ASTM D 1298  
**Specific Gravity:** 1.03 at 15.6°C (60°F) by ASTM D 1298  
**Solubility:** Completely soluble in water, not soluble in hydrocarbon solvents.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (continued)

**Percent Volatile:** 30-50%.

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Vapor Density, Air = 1: Not Determined  
Evaporation Rate, n-Butyl Acetate = 1: 1  
Odor: Mild musky odor.  
Appearance: White/light grey viscous liquid  
pH: Not determined  
Boiling Point: 230°F.  
Freezing Point: Not determined  
Molecular Weight: Not determined.

## SECTION 10 STABILITY AND REACTIVITY

**Stability:** Material is stable at room temperature and pressure.  
**Conditions To Avoid:** No specific information.  
**Incompatibility With Other Materials:** Avoid contact with acids and oxidizing materials.  
**Hazardous Decomposition Products:** Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, ammonia, and/or nitrogen oxides.  
**Hazardous Polymerization:** Will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

**Toxicity:** Not determined.  
**Teratogenicity:** Not determined.  
**Other:** Not determined

## SECTION 12 ECOLOGICAL INFORMATION

**Environmental Toxicity:** No information available on formulated product or ingredients.  
**Environmental Fate:** No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Disposal:** Discarded product as sold would not be considered a RCRA hazardous waste. Waste management should be in full compliance with federal, state, and local laws.  
**Disposal Considerations:** Place used, contaminated, or excess material into disposable containers. Used or spent product is not considered to be a hazardous waste. Spent fluid should be filtered, centrifuged or allowed to settle to remove solids. Solid waste from normal machining operations should be non-hazardous and suitable for landfill or recycling. Always dispose of in a manner consistent with local and state regulations.

## SECTION 14 TRANSPORT INFORMATION

**U.S. DOT Bulk Shipping Description:** Does not apply to bulk shipping.  
**U.S. DOT Non-Bulk Shipping Description:** Does not apply to non-bulk shipping.  
**U.S. DOT Identification Number:** Not applicable.  
**U.S. DOT Hazard Classification:** Not applicable.  
**Other:** See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaging. For more information concerning spills during transport, consult latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT P 5800.3.

## SECTION 15 REGULATORY INFORMATION

**Clean Water Act/Oil Pollution Act:** Not applicable.  
**OSHA Hazard Communication Status:** Hazardous

## SECTION 15 REGULATORY INFORMATION (continued)

**TSCA:** All components of this material are listed in the U.S. TSCA Inventory.  
**Other TSCA:** Not applicable.

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**SARA Title III:** Section 302/304 Extremely Hazardous Substances: None.  
Section 311, 312 Hazard Categorization:  
Acute (immediate health effects): Yes  
Chronic (delayed health effects): No  
Fire (hazard): No  
Reactivity (hazard): No  
Pressure (sudden release hazard): No  
Section 313 Toxic Chemicals: None.

**CERCLA:** For stationary sources - reportable quantity: Not determined.  
Due to: Not applicable.  
For moving sources - reportable quantity: Not determined.  
Due to: Not applicable.  
Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

## SECTION 16 OTHER INFORMATION

	NFPA 704	NPCHA-HMIS	KEY
<b>HEALTH:</b>	2	2	0 = Minimal
<b>FIRE:</b>	0	0	1 = Slight
<b>REACTIVITY:</b>	0	0	2 = Moderate
<b>SPECIFIC HAZARD:</b>	NONE	N/A	3 = Serious
<b>PROTECTION INDEX:</b>	N/A	B	4 = Severe

**Precautionary Labels:** WARNING - NONE REQUIRED

This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Lighthouse Lubricants must rely upon information provided by the material manufacturers or distributors.

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