



# MATERIAL SAFETY DATA SHEET

## JL20 Rock Drilling Lubricant

### SECTION 1: PRODUCT AND COMPANY INFORMATION

**Product Use and Name:** Rock Drilling Lubricant: **Jade Lube**

**Company Identification:**

JADE Lubricants Intl.  
PO Box 4  
Vandergrift, PA 15690

**Emergency Contact:**

Phone: 724-302-5233  
email: sales@jadelube.com

<b>HMIS</b>	<b>1</b>	<b>Health</b>
<b>HMIS</b>	<b>0</b>	<b>Flammability</b>
<b>HMIS</b>	<b>0</b>	<b>Reactivity</b>
<b>HMIS</b>	<b>B</b>	<b>Personal Protection</b>

### SECTION 2: HAZARDOUS INGREDIENTS INFORMATION

**Ingredients:**

**CAS#**

**Weight:**

This is not a hazardous or controlled product.

### SECTION 3: HAZARDS IDENTIFICATION

**Routes of Entry:** Inhalation. Skin/Eye contact. Ingestion.

**General Health Hazards:** Inhalation of vapors generated at high temperature may cause respiratory irritation.

**Sensitization:** No known information.

**Carcinogenicity:** IARC: Not listed as group 1, 2A or 2B agent. OSHA: Not regulated. NTP: Not listed

**Health Warnings:**

Skin contact: May cause irritation.

Eye contact: May cause irritation.

Inhalation: May cause irritation from heated vapors.

Ingestion: May cause stomach ache, nausea, or vomiting.

### SECTION 4: FIRST AID MEASURES

**EYES:** Flush eyes with water for 15 minutes. Contact physician if discomfort continues.

**SKIN:** Remove contaminated clothing. Wash skin with soap and water. Contact physician if discomfort continues.

**INHALATION:** Vapor inhalation under ambient conditions is normally not a problem. If overcome by heated vapors, remove from source of exposure into fresh air (oxygen, if necessary). Contact physician if discomfort continues.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

### SECTION 5: FIRE-FIGHTING MEASURES

**FLASH POINT:** >475°F / 246°C

**EXTINGUISHING MEDIA:** Use Carbon Dioxide (CO<sub>2</sub>), Dry chemicals, sand, dolomite, etc., alcohol resistant foam, water spray, fog or mist.

**FIRE SAFETY PROCEDURES:** Self-Contained breathing equipment and chemical resistant clothing recommended. Use water to keep fire exposed containers cool and disperse vapors. Water flood/dike to dilute and avoid spreading.

**UNUSUAL FIRE HAZARD:** Keep away from sparks or ignition sources such as welding, grinding, soldering, brazing, etc. Do not allow heating of closed containers to avoid over-pressurization.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ENVIRONMENTAL IMPACT:** This product is >90% Biodegradable and non-toxic. There is no expectation of an adverse reaction to the environment, humans, fish or wildlife.

**SPILL PROCEDURES:** Contain spill to minimize contaminated area. Facilitate salvage or disposal in accordance with government regulations. Keep all sources of ignition away from spill. Clean remainder by flushing with water or use absorbent, inert material. Avoid discharge into sewers or waterways.

## SECTION 7: HANDLING AND STORAGE

**HANDLING PROCEDURE:** Wash hands thoroughly after handling material. Avoid skin and eye contact.

**STORAGE PROCEDURE:** Store separate from strong oxidizers. Keep away from heat, sparks and open flames.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**PROTECTIVE EQUIPMENT:** Protective eye wear and gloves. Appropriate clothing to minimize skin contact.

**RESPIRATORY SAFETY:** Use approved respirator if exposed to heated vapor or under-ventilation.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance / Odor:** Light Green, very mild odor.

**Specific Gravity:** 0.92 @ 16°C

**Solubility:** Soluble

**Vapor Density (air=1):** <5

**Vapor Pressure:** <0.001 MMHg @ 20°C

**Specific Gravity:** 0.92 @ 16°C

**Evaporation Rate:** <0.01 (ref: BuAc=1)

**Ph Value:** N/A

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to avoid:** Avoid contact with acids and strong oxidizing agents.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** Oxides of Carbon

## SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** No experimental toxicological data on the preparation is available.

**TOXIC DOSE (LD50):** >20,000 mg/kg (oral rat) **TOXIC CONC. (LC50):** N/A **ANTI-WEAR ADDITIVE:** No info available

## SECTION 12: TRANSPORTATION INFORMATION

**U.S. DOT:** Not regulated. **SEA TRANSPORT:** Not regulated per IMDG **AIR TRANSPORT:** Not regulated per IATA

## SECTION 13: REGULATORY INFORMATION

**U.S. TSCA INVENTORY:** All components of this product are listed.

**SARA 302/313, CERCLA, CA prop. 65, RCRA:** Complies and no component is listed as hazardous.

**All components in this product are listed in the following inventories:**

<u>US</u>	<u>CAN</u>	<u>EU</u>	<u>AUS</u>	<u>JAP</u>	<u>KOR</u>	<u>CHN</u>	<u>PHLP</u>
TSCA	DSL	EINECS	AICS	ENCS	ENCS	IECS	PICCS

## SECTION 14: OTHER INFORMATION

While the information and recommendations set forth are believed to be accurate as of the date thereof, Drill Cream, LLC makes no warranty with respect thereto and disclaims all liability from reliance therein.