

## **SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific regulations.

## **JARCOL I-20CG**

Quick Identifier  
Common Name (Used on Label and List)

---

### **SECTION I - IDENTIFICATION**

#### **Jarcol I-20CG**

Manufacturer's Name - **JARCHEM INDUSTRIES, INC.**  
Address - **414 Wilson Avenue  
Newark, NJ 07105**  
Emergency Telephone # - **(973) 344-0600**      Secondary Telephone No.: **CHEMTREC  
(800) 424-9300  
24 Hours a Day**  
Other Information Calls - **(973) 344-0600**  
Date Prepared - **8/14/2014**  
Date Revised - **5/22/2015**

---

### **SECTION II - HAZARDS IDENTIFICATION**

#### **EMERGENCY OVERVIEW**

**Non-Hazardous.**

#### **HMIS HAZARD RATINGS**

HEALTH 1  
FLAMMABILITY 1  
REACTIVITY 0

#### **Pictograms**

**HEALTH HAZARD:** Low hazard for usual industrial handling. In high concentrations, vapor may cause irritation of the eyes, nose, and upper respiratory tract.

**FIRE OR EXPLOSION:** This product may burn, but will not ignite readily.

**SPILL PRECAUTIONS:** Do not discharge into drains, surface waters, or ground water.

**POTENTIAL HEALTH EFFECTS:** No health effects are expected if handled and used properly.

**EYES:** Irritation may occur with exposure to concentrated vapors with product.

**SKIN:** Exposure is not expected to cause significant irritation or toxicity. Physical irritation may occur as a result of prolonged contact.

**INHALATION:** Under normal use conditions, this product is not expected to pose an inhalation hazard. Exposure to high vapor concentrations may be irritating to the upper respiratory tract.

**INGESTION:** Material is relatively non-toxic. Ingestion of small amounts may result in nausea and vomiting.

(See section for Toxicological Information)

---

### **SECTION III - COMPOSITION / INFORMATION ON INGREDIENT**

PRODUCT NAME: Jarcol I-20CG

SYNONYMS: Octyldodecanol, Branched C20 Alcohol

CHEMICAL NAME: 2-Octyldodecanol      CAS#: 5333-42-6      EC#: 226-242-9

<b>Ingredients</b>	<b>CAS#</b>	<b>% by Weight</b>
Jarcol I-20CG	5333-42-6	100

See sections on Exposure Guidelines and Regulatory Classifications.

---

## **SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific regulations.

## **JARCOL I-20CG**

Quick Identifier  
Common Name (Used on Label and List)

---

### **SECTION IV - FIRST-AID MEASURES**

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

SKIN: Remove contaminated clothing. Wash skin with soap and plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.

INGESTION: If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

---

### **SECTION V - FIRE-FIGHTING MEASURES**

#### **NFPA Rating**

#### **FLAMMABLE PROPERTIES:**

HEALTH 1

FLAMMABILITY 1

REACTIVITY 0

FLASH POINT: CLOSED CUP >338 °F (>170 °C) DIN 51758

AUTO IGNITION TEMPERATURE: 496 °F (258 °C)

FLAMMABLE LIMITS IN AIR % BY VOLUME: LOWER N/A UPPER N/A

FIRE AND EXPLOSION HAZARD: None expected. NFPA class IIIB combustible liquid.

#### **EXTINGUISHING MEDIA AND INSTRUCTIONS:**

Water spray, foam, dry chemical, CO2. Do not use a full force water jet.

SPECIAL REMARKS: Cool exposed equipment with water spray until well after fire is out. Self contained breathing apparatus (SCBA) and structural firefighters protective clothing will provide limited protection.

---

### **SECTION VI - ACCIDENTAL RELEASE MEASURES**

#### **STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:**

SMALL SPILLS: Absorb with sand or other noncombustible absorbent material and place into containers for later disposal.

LARGE SPILLS: Dike far ahead of liquid spill for recovery or disposal.

SPILL PRECAUTIONS: Material can create slippery conditions. Eliminate all sources of ignition. Shut off leak if safe to do so. Dispose of only in accordance with local, state, and federal regulations. Do not discharge into drains, surface waters, or ground water.

---

### **SECTION VII - HANDLING AND STORAGE**

USUAL SHIPPING CONTAINERS: Tank cars, Tank trucks, and drums.

STORAGE/TRANSPORT TEMPERATURE: Hot water system recommended for temperature control. Should not be held over 110 °F (43 °C) for long periods of time.

STORAGE/TRANSPORT PRESSURE: Ambient

PRECAUTIONS: Prevent electrostatic discharge.

BULK STORAGE: Carbon steel or stainless steel with effective moisture and oxygen control. Aluminum is not suitable for storage.

## **SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific regulations.

## **JARCOL I-20CG**

Quick Identifier  
Common Name (Used on Label and List)

---

### **SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: Mechanical ventilation may be necessary if working with the product in enclosed areas or at elevated temperatures.

#### **PERSONAL PROTECTIVE EQUIPMENT:**

EYES: Safety glasses with side shields, or chemical goggles.

SKIN: Suitable protective clothing; chemical boots, and chemical gloves when contact with liquid is possible.

RESPIRATORY PROTECTION: Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select the appropriate NIOSH-approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators in situations where there may be potential for overexposure.

#### **EXPOSURE GUIDELINES:**

OSHA PEL: None Established

ACGIH TLV: None Established

CARCINOGENICITY:

IARC - None

ACGIH - None

NTP - None

OSHA - None

---

### **SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Colorless, oily liquid

ODOR: Sweet

PHYSICAL STATE: Liquid

VAPOR PRESSURE (mm Hg): VOC=4.25% (EPA24), 10mbar @ 405 °F (207 °C)

VAPOR DENSITY (AIR=1): N/A

VISCOSITY: 60 mPas @ 68 ° F (20 ° C), 28.89 cSt @ 105 °F

BOILING POINT: 554 ° F

MELTING POINT: -1/+1 °C

POUR POINT: -67 °F (-55 °C)

SPECIFIC GRAVITY (H2O=1): 0.836-0.840 @ 20 °F (4 °C)

SOLUBILITY IN WATER: Insoluble

ORGANIC VOLATILE IMPURITIES:

FLAMMABILITY, FLASH POINT, LFL/UFL, AUTO IGNITION TEMP: See Section V

DECOMPOSITION TEMP: See Section X

---

### **SECTION X - STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: High Temperatures and sources of ignition.

INCOMPATIBILITY WITH OTHER MATERIALS: Can react with strong oxidizers, inorganic acids, and halogens.

## **SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific regulations.

## **JARCOL I-20CG**

Quick Identifier  
Common Name (Used on Label and List)

---

HAZARDOUS Carbon monoxide, carbon dioxide

DECOMPOSITION:

HAZARDOUS Should not occur

POLYMERIZATION:

---

### **SECTION XI - TOXICOLOGICAL INFORMATION**

EYES: Primary Eye Irritation Index (Rabbits): 6 (maximum score is 110)

SKIN: Primary Skin Irritation Index (Rabbits): 0.6 (Maximum score is 8.0)  
Acute dermal toxicity LD50 (rabbit): >2000 mg/kg

INHALATION: No data available

INGESTION: Acute Oral LD50 (Rat): > 2,000 mg/kg

---

### **SECTION XII - ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL INFORMATION:

Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.

(Leuciscus idus (Golden orfe)) 48 hours:

Information taken from reference works and the literature. In the range of water solubility not toxic under test conditions.

EC50 (Daphnia) 48 hours: > 100 mg/l OECD Test Guideline 202

CHEMICAL FATE INFORMATION:

Readily biodegradable.

CO2 Headspace Test (ISO 14593) (28 d): > 60 %

Test substance ISOFOL® 20 Alcohol

Information taken from reference works and the literature.

---

### **SECTION XIII - DISPOSAL CONSIDERATIONS**

SPECIAL INSTRUCTIONS: Dispose of in accordance with local, state, provincial, and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

WASTE CLASSIFICATION: Any unused product or empty container may be disposed of as non-hazardous in accordance with state and federal requirements. Reevaluation of the product may be required by the user at the time of disposal, since the product usage, transformations, mixtures, contamination, and spillage may change the classification to hazardous. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40CFR264) hazardous waste regulations. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINER TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.

---

### **SECTION XIV - TRANSPORT INFORMATION**

DOT DESCRIPTION: Class Not regulated Packing Group

PROPER SHIPPING NAME:

ICAO/IATA DESCRIPTION: Class Not regulated Packing Group

## **SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific regulations.

## **JARCOL I-20CG**

Quick Identifier  
Common Name (Used on Label and List)

---

IMDG DESCRIPTION: Class Not regulated Packing Group  
EMS No.:

---

### **SECTION XV - REGULATORY INFORMATION**

#### **US FEDERAL REGULATIONS**

OSHA HAZARD COMMUNICATION STANDARD CLASSIFICATION: Non-hazardous

**TSCA INVENTORY LISTING:** This material is listed on the TSCA inventory.

COMPONENT: 2-Octyldodecanol

CAS#: 5333-42-6

**SARA 302 Status:** Contains no chemicals subject to SARA 302 report

**SARA 311/312 CLASSIFICATION:** Non-hazardous Substance

**SARA 313 CHEMICALS:** No chemicals subject to SARA 313 report

**CERCLA HAZARDOUS SUBSTANCE:** None

#### **WHMIS CLASSIFICATION:**

Non-hazardous

#### **EUROPEAN UNION:**

Non-hazardous

**EUROPEAN EINECS LISTING:**

**CANADIAN (DSL) LISTING:**  **CANADIAN (NDSL) LISTING:**

**CHINA INVENTORY LISTING:**  **TAIWAN LISTING:**

**JAPANESE (MITI) LISTING:**  **KOREAN INVENTORY LISTING:**

**AUSTRALIAN (AICS) LISTING:**  **NEW ZEALAND LISTING:**

**PHILIPPINES (PICCS) LISTING:**  **CALIFORNIA PROP. 65 LISTING:**

---

### **SECTION XVI - OTHER INFORMATION**

EXCEPT AS SPECIFICALLY SET FORTH IN THE TERMS AND CONDITIONS AVAILABLE AS SET FORTH BELOW, JARCHEM INDUSTRIES MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE FOR THE CHEMICALS IT SELLS. Notwithstanding any different or additional terms that may be embodied in your forms, letters and papers, any order received by Jarchem Industries will be accepted only on the condition that you expressly assent to the terms and conditions attached to Jarchem Industries' Sales Order Acknowledgment or available online at [www.jarchem.com/terms\\_and\\_conditions.php](http://www.jarchem.com/terms_and_conditions.php)

The information contained herein is to our best knowledge true and accurate. Recommendations and suggestions are made without guarantee of favorable results since conditions of use are beyond our control. These data shall not be construed as a recommendation to use any product in conflict with existing patents covering any material or use.