

# SAFETY DATA SHEET

## Jacket Draw Lube (JDL-16)

Prepared Jan 19, 2018

### SECTION 1. Identification

- 1.1 **Product Name:** Jacket Draw Lube  
Cat No. : JDL-16 (pint container)
- 1.2 **Recommended Use:** Lubricant for Drawing and Forming Copper and Brass alloys.
- 1.3 **Uses advised against:** Not for food, drug, pesticide or biocidal product use
- 1.4 **Details of the supplier of the safety data sheet:**  
Corbin Manufacturing & Supply, Inc.  
PO Box 2659, White City, OR 97503 USA  
Emergency Telephone Number: 541-826-5211

### SECTION 2. Hazard(s) identification

- 2.1 **Classification:** According to Regulation (EC) No. 1272/2008, 29 CFR 1910, 1200 and the Globally Harmonized System)  
Not classified as Hazardous
- 2.2 **Label Elements**
  - Signal Word:** Non-Hazardous
  - Hazard Precautions:** Not Classified as Hazardous
  - Precautionary Statements:**

Note: These precautionary statements are not prescribed by directive 1272/2008 as this product is not classified as hazardous under this directive. Wash hands thoroughly with soap and water after handling. Wear protective gloves and clothing, eye and face protection.

If swallowed, introduced into the eyes, on the skin or inhaled call a poison center or doctor/physician if you feel unwell. If inhaled, remove victim to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing before reuse.

Store in a well-ventilated place. Keep container tightly closed.

### SECTION 3. Composition/Information on Ingredients

- 3.1 **Substances or 3.2. Mixtures**

<b>Ingredient:</b>	Rinctus Oil	<b>Concentration (wt.%):</b>	100
<b>CAS No. :</b>	8001-79-4	<b>EC Number:</b>	232-293-8
<b>CLP Inventory/ Annex VI:</b>	Not listed.	<b>EU CLP Class. (1272/2008):</b>	Non-Hazardous

Note: see Section 8 for exposure limit data for these ingredients. See Section 15 for trade secret information (where applicable). See section 16 for the full text of the R-phrases above.

## **SECTION 4. First aid measures**

### **4.1 Description of first aid measures:**

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact:

Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention if symptoms persist.

Inhalation:

Move to fresh air. Obtain medical attention. If not breathing, give artificial respiration.

Ingestion :

Do not induce vomiting. Obtain medical attention.

### **4.2 Most important symptoms and effects**

Acute:

Not expected to be significantly irritating to skin or eyes. Oral exposure may cause nausea, vomiting, severe diarrhea and cramping (colic).

Delayed Effects:

None known.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Note to Physician:

No specific indications. Treatment should be based on the judgement of the physician in response to the reactions of the patient.

## **SECTION 5. Fire-fighting measures**

### **5.1 Extinguishing media**

Appropriate Extinguishing Media:

Alcohol resistant foam, carbon dioxide, dry chemical, water spray

### **5.2 Special hazards arising from the substance or mixture**

Hazardous Products of Combustion:

Carbon dioxide, carbon monoxide

Potential for dust explosion:

Not applicable.

### **5.3 Advice for firefighters**

Basic Fire Fighting Guidance:

Wear self-contained breathing apparatus and full protective clothing (i.e., Bunker gear). Skin and eye contact should be avoided. Normal fire fighting procedures may be used.

## **SECTION 6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Evacuation Procedures:

Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### Special Instructions:

See Section 8 for personal protective equipment recommendations.  
Remove all contaminated clothing to prevent further adsorption.  
Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

#### **6.2 Environmental precautions**

Prevent releases to soils, drains, sewers and waterways.

#### **6.3 Methods and material for containment and cleaning up**

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Remove all ignition sources. Ventilate the area of spill or leak. Wear protective equipment during clean-up. For small spills, use suitable adsorbent material and collect for later disposal. For large spills, the area may require diking to contain the spill. Material can then be collected (eg., suction) for later disposal. After collection of material, flush area with water. Dispose of the material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws.

#### **6.4 Reference to other sections**

Refer to section 8 for information on selecting personal protective equipment.  
Refer to section 13 for information on spilled product, adsorbent and clean up material disposal instructions.

## **SECTION 7. Handling and Storage**

### **7.1 Precautions for safe handling**

Practices to minimize risk:

Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material. Do not eat, drink or smoke in work areas. Prevent contact with incompatible materials. Avoid spills and keep away from drains. Handle in a manner to prevent generation of aerosols, vapors or dust clouds.

### **7.2 Conditions for safe storage including any incompatibilities.**

Storage Precautions and Recommendations:

This product should be stored at ambient temperature in a dry, well-ventilated location. Protect containers against physical damage. Keep away from heat, sparks, and flame. Should be periodically inspected.

Dangerous Incompatibility Reactions:

Incompatible with oxidizing materials

Incompatibilities with Material of Construction:

None known.

### **7.3 Specific end use(s)**

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

## **SECTION 8. Exposure controls/personal protection**

### **8.1 Control parameters**

<b><u>Country</u></b>	<b><u>Occupational Exposure Limit (as 8-hour time-weighted averages)</u></b>
USA - NIOSH REL (vegetable oil mist)	10 mg/m <sup>3</sup> (total particulate); 5 mg/m <sup>3</sup> (respirable fraction)
USA - ACGIH TLV (particulates, insoluble)	10 mg/m <sup>3</sup> (total particulate); 3 mg/m <sup>3</sup> (respirable fraction)
Australia, Belgium Canada (Ontario & Quebec) New Zealand, Singapore, Sweden	10 mg/m <sup>3</sup> (inhalable)

Air Monitoring Method:

Gravimetric analysis for total particulate and respirable fraction (< 10 microns).

## **SECTION 9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance, State & Odor (ambient temperature):

Pale yellow syrupy oil with mild characteristic odor.

Molecular Formula: Variable composition (UVCB)

Molecular Weight: Variable composition (UVCB)

Vapor Pressure: No data available.

Evaporation Rate: < 1 (Butyl Acetate = 1)

Specific Gravity or Density: 0.959 @ 25°(typical)

Vapor Density (air = 1): Heavier than air.

Boiling Point: 313° C

Freezing/Melting Point: -18 to -10° C

Solubility in Water: Insoluble

Octanol/Water Coefficient: No data available

pH: No data available

Odor Threshold: No data available

Viscosity: 7.5 stokes @ 25° C

Autoignition Temperature: 449° C

Flash point and Method: 540° F (282° C) PMCC

Flammable Limits: No data available

Flammability (solid, gas): Not applicable

Decomposition Temperature: No data available

Explosive Properties: Not explosive

Oxidizing Properties: Not an oxidizer

## **SECTION 10. Stability and Reactivity**

- 10.1 Reactivity** Not classified as dangerously reactive  
**10.2 Chemical stability** Stable  
**10.3 Possibility of hazardous reactions:** Not expected to occur.  
**10.4 Conditions to avoid:** Not known.  
**10.5 Incompatible materials:** Incompatible with oxidizing materials.  
**10.6 Hazardous decomposition products:**  
Products of incomplete combustion may include carbon monoxide, carbon dioxide and dense smoke.

## **SECTION 11. Toxicological Information**

### **11.1 Information on toxicological effects**

- Acute Oral LD<sub>50</sub>: > 5000 mg/kg (rat)  
Acute Dermal LD<sub>50</sub>: No data available  
Acute Inhalation LC<sub>50</sub>: No data available  
Skin Irritation: Non-irritating to skin  
Eye Irritation: Mildly irritating to eyes  
Skin Sensitization: Not sensitizing (weight of evidence)  
Mutagenicity: Negative in Ames Assay, both with and without metabolic activation.
- Reproductive/  
Developmental Toxicity: No evidence of reproductive effects  
Carcinogenicity: This material is not listed by IARC, NTP, or OSHA as a carcinogen. No test data is available that indicates this material is a carcinogen.
- Target Organs: None known.  
Aspiration Hazard: Based on physical properties, not likely to be an aspiration hazard.
- Primary Route(s)  
of Exposure: Skin contact and adsorption, eye contact, and inhalation. Ingestion is not likely to be a primary route of exposure.
- Most important symptoms  
and effects, both acute  
and delayed: Not expected to be significantly irritating to skin or eyes. Oral exposure will cause nausea, vomiting, severe diarrhea and cramping (colic).  
Delayed effects: None Known.
- Additive or Synergistic  
effects: None known.

## **SECTION 12. Ecological Information**

- 12.1 Toxicity** No data available.  
**12.2 Persistence and degradability** No data available.  
**12.3 Bioaccumulative potential** No data available.  
**12.4 Mobility in soil** No data available.

### 12.5 Results of PBT and vPvB assessment

This substance is not a PBT or vPvB

### 12.6 Other adverse effects

This substance is a naturally-occurring vegetable oil. Large releases to environmental media may disrupt flora and fauna. Take appropriate precautions to prevent the spills of oils into the environment.

## **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

US EPA Waste Number: Non-Hazardous

Waste Classification:

(per US regulations) The waste may be classified as "special" or hazardous per State regulations.

Waste Disposal:

NOTE: Generator is responsible for proper waste characterization. State hazardous waste regulations may differ substantially from federal regulations. Dispose of this material responsibly, and in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state, or local laws, and environmental protection duty of care principles. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal with the E.C., the appropriate classification code according to the European Community List of Wastes should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

## **SECTION 14: Transport information**

*The following information applies to all shipping modes (DOT/IATA/ICAO/IMDG/ADR/RID/ADN), unless otherwise indicated:*

14.1 UN Number	Non-Hazardous
14.2 UN proper shipping name	Chemicals, N.O.S.
14.3 Transport hazard class	Non-Hazardous
14.4 Packing group	Not Applicable
14.5 Environmental hazards	Not Applicable
14.6 Special precautions for user	Not Applicable
NA Emergency Guidebook Numbers:	Not Applicable
IMDG EMS:	Not Applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
Category Y: Category Y (containing <2% free fatty acids)

## **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

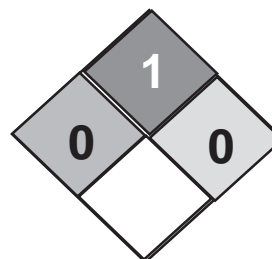
<u>Chemical Inventory Lists:</u>	<u>Status:</u>
USA TSCA:	Listed
EINECS:	Listed (232-293-8)
Canada (DSL/NDSL):	Listed (DSL)
Japan:	Not listed.
Korea:	Listed (KE-04979)

Australia:	Listed
China:	Listed
Philippines:	Listed
Taiwan:	Listed
New Zealand	Listed

German Water Hazard Classification: ID Number 760, not considered hazardous to waters

SARA 313:	Not Listed
Reportable Quantities:	Not applicable
State Regulations:	Not applicable
HMIS IV:	NFPA:

Health	0
Flammability	1
Physical Hazard	0



## 15.2 Chemical safety assessment

A chemical safety assessment is not required as this substance is not classified as hazardous.

## SECTION 16: Other information

Classification Method: On basis of test data

Training Advice: Not applicable

### Legend of Abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists

NIOSH = National Institute of Occupational Safety and Health

DSL/NDSL = Domestic Substances List/Non-Domestic Substances List

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified Chemical Substances

SARA = Superfund Amendments and Reauthorization Act of 1986

WHMIS = Workplace Hazardous Materials Information System

LD = Lethal Dose

CAS = Chemical Abstracts Service

NFPA = National Fire Protection Association

CFR = Code of Federal Regulations

NTP = National Toxicology Program

PEL = Permissible Exposure Limit

EC = European Community

RQ = Reportable Quantity

OSHA = Occupational Safety and Health Administration

TLV = Threshold Limit Value

EU = European Union

GHS = Globally Harmonized System

Important Note: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. The information contained herein may change without prior notice. THIS SAFETY DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS.

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