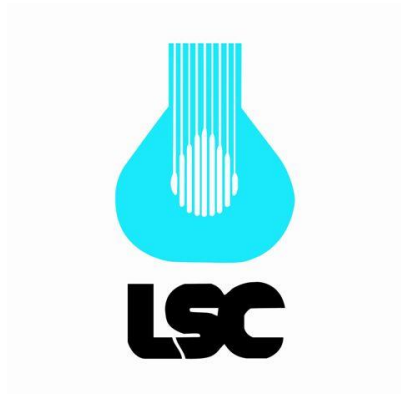


**Safety Data Sheet**  
**R & O Ind Oil ISO 100**



**Product Number:**  
**Revision Date:**

**33222-4**  
**08/23/2017**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier** R & O Ind Oil ISO 100

Product Code 33222

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use See Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer** LUBRICATING  
SPECIALTIES COMPANY  
8015 PARAMOUNT  
BLVD.  
PICO RIVERA, CA 90660

**Telephone No.** (562) 776-4000

**1.4. Emergency telephone number**  
(800) 424-9300 24hr

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Not Classified

## 2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labeled as follows.

Not Classified

<b>HMIS</b>	<b>Health:</b>	0	<b>NFPA</b>	<b>Health:</b>	0
	<b>Fire:</b>	1		<b>Fire:</b>	1
	<b>Physical Hazards:</b>	0		<b>Reactivity:</b>	0
	<b>PPE:</b>	C		<b>Special Hazards:</b>	--

## 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

## SECTION 3: Composition/information on ingredients

Ingredient/Chemical Designations	Weight %	EC No. 1272/2008 / GHS Classification
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN CAS Number: 0064742-54-7	<100	Asp. Tox. 1;H304

\*The full texts of the phrases are shown in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

### **Inhalation**

If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.

### **Skin**

In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

### **Eye**

In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.

### **Ingestion**

Do not induce vomiting. Call a physician or emergency medical facility immediately.

#### **4.2. Most important symptoms and effects, both acute and delayed**

No data available

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

No data available

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

### **5.1. Extinguishing media**

Use Carbon dioxide (CO<sub>2</sub>), dry chemical, or foam to extinguish flames.

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

Hazardous Decomposition Products: May form CO and CO<sub>2</sub>.

### **5.3. Advice for fire-fighters**

Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

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

Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away.

### **6.2. Environmental precautions**

Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.

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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or water courses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed. Dispose of in accordance with all federal, state, and local environmental regulations.

## **SECTION 7: Handling and storage**

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

#### **Handling**

Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation.

#### **In Storage**

Store in a dry location at room temperature.

Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

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

Keep away from strong oxidizing and reducing agents.

**CAUTION!!!** Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain

product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

### 7.3. Specific end use(s)

There are no exposure scenarios, see details in section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The following occupational exposure limits have been established.

CAS Number	Ingredient	Source	Value
0064742-54-7	PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 10 mg/m<sup>3</sup> ACGIH.

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0064742-54-7	PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN	OSHA	Select Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;

### DNEL/PNEC values

No Data Available

### 8.2. Exposure controls

No special requirements under ordinary conditions of use and with adequate ventilation.

### Eye/face protection

Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

### Skin protection

Wear chemical resistant gloves. Gloves should be inspected before each use and discarded if they show tears, pinholes, or signs of wear.

### Other

Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.

### Respiratory protection

Use NIOSH/OSHA approved respirator where high vapor concentrations are present.

### Thermal hazards

No Data Available

## SECTION 9: Physical and chemical properties

Appearance	AMBER OILY LIQUID
Odor	Petroleum Odor
Odor threshold	Not Determined
pH	Not Determined
Melting point / freezing point (C)	Not Determined
Initial boiling point and boiling range (C)	Not Measured
Flash point (C)	190
Evaporation rate (H2O = 1)	Not Determined
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	
Lower Explosive Limit:	Not Determined
Upper Explosive Limit:	Not Determined
Vapor pressure (Pa)	Not Determined
Vapor density	Heavier than air.
Relative density	0.8704
Solubility(ies)	negligible
Partition coefficient n-octanol/water (Log Kow)	Not Determined

<b>Auto-ignition temperature (C)</b>	Not Determined
<b>Decomposition temperature</b>	Not Determined
<b>Viscosity (cSt)</b>	
<b>@ 100 C</b>	Not Measured
<b>@ 40 C</b>	95 cSt
<b>Pour point temperature (C)</b>	Not Determined
<b>Volatile Organic Compounds</b>	nil
<b>SADT</b>	Not Determined

The data listed above are typical physical and chemical properties that do not constitute product specification.

## 9.2. Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Material is normally stable at ambient temperature and pressure.

### 10.3. Possibility of hazardous reactions

May react with: oxidizing agents.

### 10.4. Conditions to avoid

High temperature, sparks, and open flames.

### 10.5. Incompatible materials

Keep away from strong oxidizing and reducing agents.

### 10.6. Hazardous decomposition products

Hazardous Decomposition Products: May form CO and CO<sub>2</sub>.

## SECTION 11: Toxicological information

### Acute toxicity

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapor LD50, mg/L/4hr
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN - (0064742-54-7)	>5,000, Rat	>5,000, Rabbit	Not Available

Classification	Category	Hazard Description
Acute toxicity (oral)	Not Classified	Not Applicable
Acute toxicity (dermal)	Not Classified	Not Applicable
Acute toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Serious eye damage/irritation	Not Classified	Not Applicable
Respiratory sensitization	Not Classified	Not Applicable
Skin sensitization	Not Classified	Not Applicable
Germ cell mutagenicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive toxicity	Not Classified	Not Applicable
STOT-single exposure	Not Classified	Not Applicable
STOT-repeated exposure	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

## SECTION 12: Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the



Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN - (0064742-54-7)	Not Available	Not Available	Not Available

#### 12.2. Persistence and degradability

There is no data available on the preparation itself.

#### 12.3. Bioaccumulative potential

Not Measured

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

#### 12.6. Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

### SECTION 14: Transport information

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

US DOT Label

Not regulated

**ADR/RID** Not regulated

**IMDG** Not regulated

**Sub Class** Not applicable

**ICAO/IATA** Not regulated  
**14.4. Packing group** Not applicable

#### **14.5. Environmental hazards**

**ADR/RID** Environmentally Hazardous: No - Not regulated

**IMDG** Marine Pollutant: No - Not regulated

#### **14.6. Special precautions for user**

No further information

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not Applicable

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions. Shipping description may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. For information specific to your situation, consult your company's Hazardous Materials/Dangerous Goods expert.

### **SECTION 15: Regulatory information**

#### **National Legislation**

United States:

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**SARA 311/312 (>0.1%):** Not applicable

**SARA 313 (>0.1%):** Not applicable

**CERCLA (>0.1%):** Not applicable

**Inventory - Canada - Non-Domestic Substances List (NDSL):** Not applicable

**California Proposition 65 Cancer:**

- Oxirane, methyl-
- 1,4-Dioxane
- Ethyl acrylate
- Ethylene oxide

**California Proposition 65 Developmental:** Not applicable

**California Proposition 65 Female Reproductive:**

- Ethylene oxide

**California Proposition 65 Male Reproductive:**

- Ethylene oxide

**Inventory - Australia - Inventory of Chemical Substances (AICS):**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

**Inventory - Japan Existing and New Chemical Substances (ENCS):**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN ( )

**Korean Existing Chemicals Inventory:**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

**Inventory of Existing Chemical Substances in China:**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

**Taiwan List of Toxic**

**Chemical Substances  
regulated under Toxic  
Chemical Substances  
Control Act :**

**EU REACH: Annex XVII,  
Dangerous Substances  
and Preparations:**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

**Inventory - European  
Union - European  
Inventory of Existing  
Commercial Chemical  
Substances (EINECS):**

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN (265-157-1)

**EU List of Notified  
Chemical Substances  
(ELINCS):**

Not applicable

Risk Phrases  
Not Classified.

**SECTION 16: Other information**

This information has been compiled from sources considered to be dependable and is accurate to the best of Lubricating Specialties Company knowledge. Lubricating Specialties Company makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Lubricating Specialties Company assumes no responsibility for injury to recipient or third persons, or for any damage to any property and recipient assumes all such risks.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways

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