

# Safety Data Sheet

Issue date 08-Aug-2018  
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Version 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product name Captain O-Ring Marker Oil

### Other means of identification

Product code CO-MarkerOil  
Synonyms Not applicable

### Recommended use of the chemical and restrictions on use

Recommended Use Industrial lubricant.  
Uses advised against No other uses are recommended

### Details of the supplier of the safety data sheet

#### Supplier Address

Captain O-Ring LLC  
420 Hudson St  
Gloucester City, NJ 08030

#### Emergency telephone number

Company Phone Number 215 - 839 - 6565

## 2. Hazards Identification

### Classification

Petroleum based fluid of generally low toxicity. This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label Elements

Appearance Light brown  
Physical State Liquid  
Odor Mild, bland hydrocarbon odor.

Hazards not otherwise classified (HNOC) None  
Other Hazards None  
Unknown acute toxicity Not applicable

## 3. Composition/information on Ingredients

Chemical Name	CAS No	Weight %
Proprietary additives	PROPRIETARY	0-1
Highly refined mineral oil	64742-56-9	0-10
Highly refined mineral oil	64742-65-0	90-100

\* The identity and exact percentage (concentration) of the components of this product been withheld as a trade secret.

**FIRST AID MEASURES**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash with soap and plenty of water.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Not an expected route of exposure.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Not applicable.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**5. Fire-fighting measures**

<b><u>Suitable Extinguishing Media</u></b>	Dry chemical, CO2 or water spray.
<b><u>Unsuitable extinguishing media</u></b>	No information available.
<b><u>Specific hazards arising from the chemical</u></b>	Not applicable.
<b><u>Hazardous combustion products</u></b>	Oxides of nitrogen and carbon.
<b><u>Explosion data</u></b>	
<b><u>Sensitivity to Mechanical Impact</u></b>	Not applicable.
<b><u>Sensitivity to Static Discharge</u></b>	Not applicable.
<b><u>Special protective actions for fire-fighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Use appropriate safety equipment. Ensure adequate ventilation, especially in confined areas.
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**Environmental precautions**

<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
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**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**7. Handling and Storage****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## 8. Exposure Controls/Personal Protection

**Control parameters**

**Exposure guidelines** Exposure limits for purified mineral oil as mist: US-ACGIH reports: TWA-5 mg/m<sup>3</sup> and STEL-10 mg/m<sup>3</sup>; US-OSHA PEL 5 mg/m<sup>3</sup>.

**Appropriate engineering controls**

**Engineering controls** As with all industrial products, use of good industrial hygiene practices is recommended.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** No special technical protective measures are necessary.

**Skin and Body Protection** No special technical protective measures are necessary.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations** Wash contaminated clothing before reuse.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild, bland hydrocarbon odor.
<b>Appearance</b>	Light brown	<b>Odor threshold</b>	No data available
<b>Color</b>	No data available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	No data available	
Melting point/freezing point	No data available	
Boiling point / boiling range	No data available	
Flash Point	210 °C/410 °F	
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	
Vapor Density	No data available	
Specific gravity	0.84 - 0.86	
Water solubility	Negligible	
Solubility in other solvents	No data available	
Partition coefficient	No data available	
Autoignition Temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	32 - 320 centistokes @ 40 degrees C	

Dynamic viscosity No data available

**Other Information**

Density No data available

VOC content (%) 3 g/l per ASTM SCAQMD Rule 1144 Super Compliant

## 10. Stability and Reactivity

**Reactivity** Not applicable  
Not applicable.

**Chemical stability** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions** None under normal processing.

**Conditions to avoid** Extremes of temperature and direct sunlight.

**Incompatible materials** None known based on information supplied.

**Hazardous Decomposition Products** None known based on information supplied.

## 11. Toxicological Information

**Information on likely routes of exposure**

**Product Information** Not applicable

**Inhalation** This product is not classified as acutely toxic by inhalation.

**Eye Contact** This product is not classified as an eye irritant.

**Skin contact** This product is not classified as acutely toxic by the dermal route.

**Ingestion** This product is not classified as acutely toxic by the oral route.

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** This product is not classified as a skin sensitizer.

**Germ cell mutagenicity** None of the components are currently classified as mutagenic.

**Carcinogenicity** None of the components of this product are classified as a carcinogenic.

**Reproductive toxicity** Not classified; based on data on components.

**STOT - single exposure** Not classified; based on data on components.

**STOT - repeated exposure** Not classified; based on data on components.

**Aspiration hazard** Not classified; based on data on components.

**Numerical measures of toxicity - Product Information**

## 12. Ecological Information

**Ecotoxicity** May cause adverse effects when spilled in waterways. Based on data on components.

**Persistence and degradability** Some components of this product are not readily biodegradable.

**Bioaccumulation** A minor component of this product may bioconcentrate in aquatic organisms.

**Other adverse effects** Not determined

## 13. Disposal Considerations

**Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.

<b>14. Transport Information</b>
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<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not Determined
<b><u>MEX</u></b>	Not Determined
<b><u>ICAO (air)</u></b>	Not determined
<b><u>IATA</u></b>	Not Determined
<b><u>IMDG</u></b>	Not determined
<b><u>RID</u></b>	Not determined
<b><u>ADR</u></b>	Not determined
<b><u>ADN</u></b>	Not determined

<b>15. Regulatory information</b>
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**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Not determined
<b>ENCS</b>	Not determined
<b>IECSC</b>	Not determined
<b>KECL</b>	Not determined
<b>PICCS</b>	Not determined
<b>AICS</b>	Not determined

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No

Sudden release of pressure hazard  
Reactive Hazard

No  
No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (4

**US State Regulations****California Proposition 65**

This product is not known to contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary additives PROPRIETARY	X	X	X

**U.S. EPA Label information**

EPA Pesticide registration number Not applicable

**16. Other information****NFPA**

Health hazards 0

Flammability 1

Instability 0

Physical and chemical  
properties -

**HMIS**

Health hazards 0

Flammability 1

Physical hazards 0

Personal Protection H  
X

Issue date

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Revision note

Not applicable

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet