



# SAFETY DATA SHEET

## 1. Product and company identification

**Product name** Bel-Ray High Performance Fork Oil 2.5W  
**Product code** 99290  
**SDS number** 7097

Bel-Ray Company, LLC  
GPO Box 2650 Sydney, NSW 1171  
PO Box 526 Farmingdale N.J. 07727  
1 732-938-2421  
CHEMTREC: 1800 069 100 (AUS)

Bel-Ray Company, LLC  
P.O. Box 526  
Farmingdale, NJ 07727  
United States of America  
+1 732 938 2421  
CHEMTREC: 800-424-9300 (USA)  
CHEMTREC: +1 703-527-3887 (outside USA - call collect)

## Recommended use and Limitations on use

**Recommended use** Lubricant

## 2. Hazards identification

### GHS classification

**Physical hazards** Not classified.  
**Health hazards** Aspiration hazard Category 1  
**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 2  
Hazardous to the aquatic environment, long-term hazard Category 2

### Label elements

#### Symbols



#### Signal word

Danger

#### Hazard statement

May be fatal if swallowed and enters airways.

#### Precautionary statement

**Prevention** Keep out of reach of children. Read label before use.  
**Response** If medical advice is needed, have product container or label at hand. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.  
**Storage** Store locked up.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Supplemental information

None.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

Chemical property	CAS Number	Concentration (%)
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	40 - < 50
Distillates (petroleum), Hydrotreated Light Naphthenic		
Other components below reportable levels		50 - < 60

## 4. First aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give liquid to an unconscious person.
<b>Potential delayed effects</b>	Aspiration may cause pulmonary oedema and pneumonitis. Irritation of eyes and mucous membranes. Skin irritation.
<b>Personal protection for first-aid responders</b>	Not available.
<b>Notes to physician</b>	Provide general supportive measures and treat symptomatically.

## 5. Fire-fighting measures

<b>Extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Extinguishing media to avoid</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>HAZCHEM Code Number</b>	None.
<b>Specific hazards during fire fighting</b>	During fire, gases hazardous to health may be formed.
<b>Special fire fighting procedures</b>	Not available.
<b>Protection of fire-fighters</b>	Wear suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Hazards from combustion products</b>	May include oxides of Nitrogen. Carbon monoxide and carbon dioxide.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>Spill cleanup methods</b>	<p>This product is miscible in water.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

## 7. Handling and storage

<b>Handling</b>	
<b>Precautions</b>	Wash hands thoroughly after handling.
<b>Safe handling advice</b>	Avoid prolonged exposure. Observe good industrial hygiene practices. Use personal protection recommended in Section 8 of the SDS.
<b>Prevention of fire and explosion</b>	No specific recommendations.
<b>Local and general ventilation</b>	Provide adequate ventilation.
<b>Storage</b>	
<b>Suitable storage conditions</b>	Store locked up. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).
<b>Incompatible materials</b>	For further information, please refer to section 10.
<b>Safe packaging materials</b>	Store in original tightly closed container.

## 8. Exposure controls/personal protection

### Exposure limits

#### New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

#### ACGIH

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	TWA	5 mg/m3	Inhalable fraction.

#### Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	TWA	5 mg/m3

#### Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	TWA	5 mg/m3	Mist.

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protective equipment

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

Wear appropriate chemical resistant gloves.

#### Skin protection

Wear suitable protective clothing.

#### Eye/face protection

Face shield is recommended. Wear safety glasses with side shields (or goggles).

#### Radioactive or thermal hazards

Follow standard monitoring procedures.

#### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

Oily.

#### Physical state

Liquid.

#### Form

Liquid.

#### Colour

Not available.

### Odour

Petroleum

### Odour threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Boiling point, initial boiling point, and boiling range

> 250 °C (> 482 °F)

### Flash point

150.0 °C (302.0 °F) estimated

### Auto-ignition temperature

260 °C (500 °F) estimated

### Flammability (solid, gas)

Not available.

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Density	870.00 kg/m3
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Negligible
Solubility (other)	Oil
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	9.1 mm2/s (40 °C (104 °F))
Other data	
Specific gravity	0.87
VOC	40 %

## 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Nitrogen oxides (NOx). At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

## 11. Toxicological information

### Information on likely routes of exposure

Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Acute toxicity	May be fatal if swallowed and enters airways.

Product	Species	Test results
Bel-Ray High Performance Fork Oil 2.5W		
<u>Acute</u>		
Oral		
LD50	Rat	20202 g/kg estimated

\* Estimates for product may be based on additional component data not shown.

Routes of exposure	Inhalation. Ingestion. Eye contact.
Symptoms	Aspiration may cause pulmonary oedema and pneumonitis. Irritation of eyes and mucous membranes. Skin irritation.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitiser	Based on available data, the classification criteria are not met.
Skin sensitiser	Based on available data, the classification criteria are not met.

<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Toxic to reproduction</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.
<b>Relevant negative data</b>	Not available.

## 12. Ecological information

### Ecotoxicological data

Product	Species		Test results
Bel-Ray High Performance Fork Oil 2.5W			
Aquatic			
Crustacea	EC50	Daphnia	9898.9902 mg/l, 48 hours estimated
Fish	LC50	Fish	33702.7656 mg/l, 96 hours estimated

\* Estimates for product may be based on additional component data not shown.

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulation</b>	No data available.
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>Mobility</b>	This product is miscible in water.
<b>Other hazardous effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## 14. Transport information

### IATA

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), Hydrotreated Light Naphthenic)
<b>Transport hazard class(es)</b>	
Class	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	9L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
Passenger and cargo aircraft	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

### IMDG

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), Hydrotreated Light Naphthenic), MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
Class	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III

**Environmental hazards****Marine pollutant**

Yes

**EmS**

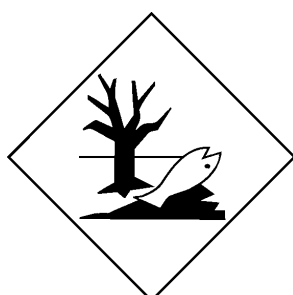
F-A, S-F

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not established.

**IATA; IMDG****Marine pollutant**

## 15. Regulatory information

**Applicable regulations****New Zealand Inventory of Chemicals (NZIoC): Registration status**

Distillates (petroleum), hydrotreated light naphthenic  
(CAS 64742-53-6)

May be used as a single component chemical under an appropriate group standard

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**References**

Not available.

**Issued by**

Not available.

**Prepared by**

Not available.

**Disclaimer**

Bel-Ray Company, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this 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.

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13-May-2011

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17-May-2016