SAFETY DATA SHEET

1. Product and company identification

Product name **Bel-Ray High Performance Fork Oil 5W**

Product code 99300

SDS number 7098

Bel-Ray Company, LLC
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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 Not classified.

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 (%)
White mineral oil (petroleum) White Mineral Oil (petroleum)	8042-47-5	60 - < 70
Other components below reportable levels		30 - < 40

4. First aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	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.
Potential delayed effects	Aspiration may cause pulmonary oedema and pneumonitis. Irritation of eyes and mucous membranes. Skin irritation.
Personal protection for first-aid responders	Not available.
Notes to physician	Provide general supportive measures and treat symptomatically.

5. Fire-fighting measures

Extinguishing media	Water fog. Foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).
Extinguishing media to avoid	Do not use water jet as an extinguisher, as this will spread the fire.
HAZCHEM Code Number	None.
Specific hazards during fire fighting	During fire, gases hazardous to health may be formed.
Special fire fighting procedures	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Protection of fire-fighters	Wear suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Hazards from combustion products	May include oxides of Nitrogen. Carbon monoxide and carbon dioxide.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	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.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Spill cleanup methods	This product is miscible in water. 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. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Handling

Precautions	Wash hands thoroughly after handling.
Safe handling advice	Avoid prolonged exposure. Observe good industrial hygiene practices. Use personal protection recommended in Section 8 of the SDS.
Prevention of fire and explosion	No specific recommendations.
Local and general ventilation	Provide adequate ventilation.

Storage

Suitable storage conditions	Store locked up. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).
Incompatible materials	For further information, please refer to section 10.
Safe packaging materials	Store in original tightly closed container.

8. Exposure controls / personal protection

Exposure limits

New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value	Form
White mineral oil (petroleum) (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

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

Components	Type	Value
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3

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

Components	Type	Value	Form
White mineral oil (petroleum) (CAS 8042-47-5)	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. Liquid.

Physical state Liquid.

Form Liquid.

Colour Green.

Odour Petroleum

Odour threshold Not available.

pH Not available.

Melting point / freezing point Not available.

Boiling point, initial boiling point, and boiling range 360 °C (680 °F) estimated

Flash point 135.0 °C (275.0 °F) Pensky-Martens Closed Cup

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	0.13 hPa estimated
Density	859.00 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.
Percent volatile	0.02 % estimated
Kinematic viscosity	18.1 mm²/s ASTM D445 (40 °C (104 °F))
Other data	
Flash point class	Combustible IIIB
Specific gravity	0.86
VOC	0.02 % estimated

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 5W		
Acute		
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.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

MINERAL OILS, HIGHLY-REFINED (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Toxic to reproduction Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

Chronic effects Prolonged inhalation may be harmful.

Relevant negative data Not available.

12. Ecological information

Ecotoxicological data

Product		Species	Test results
Bel-Ray High Performance Fork Oil 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.

Ecotoxicity 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.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulation No data available.

Bioconcentration factor (BCF) Not available.

Mobility This product is miscible in water.

Other hazardous effects 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

Disposal methods/information 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.

Special precautions Dispose in accordance with all applicable regulations.

14. Transport information

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

White mineral oil (petroleum) (CAS 8042-47-5) 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

Country(s) or region	Inventory name	On inventory (yes/no)*
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.

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Revision information This document has undergone significant changes and should be reviewed in its entirety.