



SAFETY DATA SHEET

1. Product and company identification

Product name Bel-Ray H1-R Racing 100% Synthetic Ester 2T Engine Oil
Product code 99280
SDS number 6691

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Recommended use and Limitations on use

Recommended use Lubricants, Greases and Release products

2. Hazards identification

GHS classification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

Label elements

Symbols None.
Signal word None.
Hazard statement None.

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 ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.
Storage Store in a well-ventilated place. Keep container tightly closed. Store in a dry place.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Substance or mixture Mixture

Chemical property	CAS Number	Concentration (%)
Solvent Naphtha (petroleum), Heavy Arom.	64742-94-5	< 1
Other components below reportable levels		90 - 100

4. First aid measures

Inhalation Call a physician if symptoms develop or persist.
Skin contact Get medical attention if irritation develops and persists.
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Ingestion Do not induce vomiting. Get medical attention if symptoms occur. Never give liquid to an unconscious person.
Potential delayed effects Not available.

Personal protection for first-aid responders	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

Extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Extinguishing media to avoid	Do not use water jet as an extinguisher, as this will spread the fire. Water.
HAZCHEM Code Number	None.
Specific hazards during fire fighting	None.
Special fire fighting procedures	None.
Protection of fire-fighters	None.
Hazards from combustion products	Carbon monoxide and carbon dioxide.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Not available.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Spill cleanup methods	<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: Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills in original containers for re-use. For waste disposal, see section 13.</p>

7. Handling and storage

Handling

Precautions	Use care in handling/storage.
Safe handling advice	Not available.
Prevention of fire and explosion	No specific recommendations.

Storage

Suitable storage conditions	Store in original tightly closed container.
Incompatible materials	None known.
Safe packaging materials	Keep in original container.

8. Exposure controls/personal protection

Exposure limits

Engineering controls	Provide adequate general and local exhaust ventilation.
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Personal protective equipment

Respiratory protection	No personal respiratory protective equipment normally required.
Skin protection	Normal work clothing (long sleeved shirts and long pants) is recommended.
Eye/face protection	Not normally needed.
Radioactive or thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid. Liquid.
Colour	Red. Red.

Odour	Mild. Mild.
pH	Not available.
Odour threshold	Not available.
Melting point/freezing point	Not available.
Boiling point, Initial boiling point, and boiling range	282 °C (539.6 °F) estimated
Flash point	202.00 °C (395.60 °F) Pensky-Martens Closed Cup
Auto-ignition temperature	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit	Not available.
Vapour pressure	0.000009161 hPa estimated
Density	949.00 kg/m ³
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	Not available.
Solubility	Not available.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	121 cSt
Percent volatile	< 0.5 %
Other data	
Flammability class	Combustible IIIB estimated
Specific gravity	0.949
Viscosity temperature	40 °C (104 °F)
VOC (Weight %)	< 0.5 %

10. Stability and reactivity

Stability	Material is stable under normal conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Incompatible materials	None known.
Hazardous decomposition products	Toxic gas. 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

Product	Species	Test results
Bel-Ray H1-R Racing 100% Synthetic Ester 2T Engine Oil (Mixture)		
Acute		
<i>Oral</i>		
LD50	Rat	84000 g/kg, estimated
<i>Other</i>		
LD50	Rat	12794.6133 mg/kg, estimated

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

Routes of exposure	Not available.
Symptoms	Not available.
Skin corrosion/irritation	Due to lack of data the classification is not possible.
Serious eye damage/irritation	Due to lack of data the classification is not possible.

Respiratory sensitiser	Due to lack of data the classification is not possible.
Skin sensitiser	Due to lack of data the classification is not possible.
Germ cell mutagenicity	Due to lack of data the classification is not possible.
Carcinogenicity	Due to lack of data the classification is not possible.
Toxic to reproduction	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.
Aspiration hazard	Due to lack of data the classification is not possible.
Chronic effects	Not available.
Relevant negative data	Not available.
Other information	This product has no known adverse effect on human health.

12. Ecological information

Ecotoxicological data

Product	Species	Test results
Bel-Ray H1-R Racing 100% Synthetic Ester 2T Engine Oil (Mixture)		
Crustacea	EC50 Daphnia	61730.7695 mg/l, 48 hours, estimated

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

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulation	
Mobility	Not available.
Other hazardous effects	Not available.

13. Disposal considerations

Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Special precautions	Not available.

14. Transport information

International regulations

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

Solvent Naphtha (petroleum), Heavy Arom. (CAS 64742-94-5)

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

16. Other information

References Not available.

Issued by
Not available.

Prepared by
Not available.

Disclaimer Bel-Ray Company 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.

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