



# SAFETY DATA SHEET

## 1. Product and company identification

**Product name** Bel-Ray HVI Racing Suspension Fluid 3W  
**Product code** 99360  
**SDS number** 6411

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## Recommended use and Limitations on use

Not available.

## 2. Hazards identification

### GHS classification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 3
	Serious eye damage/eye irritation	Category 2B
	Specific target organ toxicity following single exposure	Category 2 (Lung)
	Specific target organ toxicity following repeated exposure	Category 1 (Lung, skin)
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 4

\*Hazards not stated here are "Not classified", "Not applicable" or "Classification not possible".

### Label elements

**Symbols** None.  
**Signal word** None.  
**Hazard statement** None.

### Precautionary statement

**Prevention** Obtain special instructions before use. Read label before use. Do not handle until all safety precautions have been read and understood. Wear eye/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Keep out of reach of children.

**Response** IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. If medical advice is needed, have product container or label at hand.

**Storage** Store locked up.

**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 (%)
Distillates (petroleum), Hydrotreated Middle	64742-46-7	80 - < 90
Interchangeable base oils, one or more: 64741-88-4, 64742-52-5, 72623-86-0	72623-86-0	3 - < 5
Phosphorodithioic Acid, O,o-di-c1-14-alkyl Esters, Zinc Salts	68649-42-3	< 1
Other components below reportable levels		5 - < 10

#### 4. First aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.
<b>Skin contact</b>	Wash off with warm water and soap. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately.
<b>Ingestion</b>	Rinse mouth thoroughly. Do not induce vomiting. Call a POISON CENTRE or doctor/physician if you feel unwell. Never give liquid to an unconscious person.
<b>Potential delayed effects</b>	Not available.
<b>Personal protection for first-aid responders</b>	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
<b>Notes to physician</b>	In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

#### 5. Fire-fighting measures

<b>Extinguishing media</b>	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Extinguishing media to avoid</b>	None.
<b>HAZCHEM Code Number</b>	None.
<b>Specific hazards during fire fighting</b>	None.
<b>Special fire fighting procedures</b>	Cool containers exposed to flames with water until well after the fire is out.
<b>Protection of fire-fighters</b>	Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers. Water runoff can cause environmental damage.
<b>Hazards from combustion products</b>	May include oxides of Nitrogen. Carbon monoxide and carbon dioxide.

#### 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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. In case of spills, beware of slippery floors and surfaces.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Spill cleanup methods</b>	Dike far ahead of spill for later disposal. Collect spillage. Following product recovery, flush area with water. Prevent product from entering drains. Wipe up with absorbent material (e.g. cloth, fleece).  Never return spills in original containers for re-use.

#### 7. Handling and storage

<b>Handling</b>	
<b>Precautions</b>	Obtain special instructions before use. Use personal protective equipment as required. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.
<b>Safe handling advice</b>	Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Avoid prolonged exposure.
<b>Prevention of fire and explosion</b>	Not available.
<b>Storage</b>	
<b>Suitable storage conditions</b>	Store locked up. Room temperature - normal conditions. Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.
<b>Incompatible materials</b>	None known.

Safe packaging materials Keep in original container.

## 8. Exposure controls/personal protection

### Exposure limits

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

Components	Type	Value	Form
Distillates (petroleum), Hydrotreated Middle (64742-46-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Distillates (petroleum), Hydrotreated Middle (64742-46-7)	TWA	5 mg/m3	Inhalable fraction.

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

Components	Type	Value	Form
Distillates (petroleum), Hydrotreated Middle (64742-46-7)	TWA	5 mg/m3	Mist.

### 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

Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

#### Skin protection

Avoid contact with the skin. Use protective skin cream before handling the product.

#### Eye/face protection

Avoid contact with eyes. Wear eye/face protection. Wear chemical protective equipment that is specifically recommended by the manufacturer.

#### Radioactive or thermal hazards

Not available.

#### Hygiene measures

Do not get in eyes. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid.  
Liquid.

**Colour** Yellow.  
Yellow.

**Odour** Mild.  
Mild.

**pH** Not available.

**Odour threshold** Not available.

**Melting point/freezing point** Not available.

**Flash point** 118.00 °C (244.40 °F) Pensky-Martens Closed Cup

**Auto-ignition temperature** 270 °C (518 °F) estimated

**Flammability (solid, gas)** Not available.

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit** Not available.

**Vapour pressure** 160 hPa estimated

**Density** 880.00 kg/m3

<b>Vapour density</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility</b>	Negligible
<b>Solubility (other)</b>	Oil
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	11 - 15 cSt
<b>Other data</b>	
<b>Flammability class</b>	Combustible IIIB estimated
<b>Specific gravity</b>	0.88
<b>Viscosity temperature</b>	40

## 10. Stability and reactivity

<b>Stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	None.
<b>Hazardous decomposition products</b>	Nitrogen oxides (NOx). At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide. Mercaptans.
<b>Possibility of hazardous reactions</b>	None.

## 11. Toxicological information

Product	Species	Test results
Bel-Ray HVI Racing Suspension Fluid	3W (Mixture)	
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	14814.8145 mg/kg, estimated
<i>Oral</i>		
LD50	Rat	14814.8145 mg/kg, estimated

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

<b>Routes of exposure</b>	Inhalation. Skin contact.
<b>Symptoms</b>	Not available.
<b>Skin corrosion/irritation</b>	Causes mild skin irritation.
<b>Serious eye damage/irritation</b>	Causes serious eye damage. None known.
<b>Skin sensitiser</b>	Irritating to skin. None known.
<b>Germ cell mutagenicity</b>	Suspected of causing genetic defects. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	May cause cancer. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not classifiable as to carcinogenicity to humans.
<b>Toxic to reproduction</b>	Contains no ingredient listed as toxic to reproduction
<b>Specific target organ toxicity - single exposure</b>	Lungs.
<b>Specific target organ toxicity - repeated exposure</b>	Lungs. Skin.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Not expected to be hazardous by WHMIS criteria.
<b>Relevant negative data</b>	Not available.

## 12. Ecological information

<b>Ecotoxicity</b>	The product contains a substance which may cause long-term adverse effects in the environment.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulation</b>	Not available.
<b>Mobility</b>	Not available.

Other hazardous effects Not available.

### 13. Disposal considerations

**Disposal methods/information** Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. When your own wastewater treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste.

**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

Distillates (petroleum), Hydrotreated Middle (CAS 64742-46-7)	May be used as a single component chemical under an appropriate group standard
Phosphorodithioic Acid, O,o-di-c1-14-alkyl Esters, Zinc Salts (CAS 68649-42-3)	May be used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right.

#### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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)

### 16. Other information

#### References

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
JIS Z 7250: 2005 Safety data sheet for chemical products-Part 1:Content and order of sections  
JCIA GHS Guideline, October 2008  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices  
Japan Society for Occupational Health, Recommendation of Occupational Exposure Limits

#### 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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