



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** Bel-Ray Works Thumper Racing Full Synthetic Ester 4T Engine Oil 10W-50  
**Product Code** 99550  
**MSDS Number** 6514  
**Version #** 1.1  
**Revision date** 04-23-2011  
**Product use** Lubricant  
**Manufacturer information** Bel-Ray Company, Inc.  
P.O. Box 526  
Farmingdale, NJ 07727  
United States of America  
+1 732 938 2421  
CHEMTREC: +1 703-527-3887 (outside USA)  
CHEMTREC: 800-424-9300 (USA)

## 2. Hazards Identification

**Emergency overview** WARNING

Irritating to eyes and skin. This is a consumer care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and / or swelling upon prolonged or repeated skin contact or eye contact.

### Potential health effects

#### Routes of exposure

Skin contact. Eye contact.

#### Eyes

Causes eye irritation.

#### Skin

Irritating to skin.

#### Inhalation

Prolonged inhalation may be harmful. Health injuries are not known or expected under normal use.

#### Ingestion

Health injuries are not known or expected under normal use.

### Signs and symptoms

Irritation of eyes and mucous membranes.

### Potential environmental effects

Not expected to be harmful to aquatic organisms.

## 3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
ANTIMONY COMPOUNDS	15890-25-2	0.5 - 1.5
Non-hazardous components	CAS #	Percent
Interchangeable base oils, one or more: 64742-54-7, 64742-52-5, 64742-01-4	Mixture	40 - 70

**Composition comments** Not applicable to consumer products.

## 4. First Aid Measures

### First aid procedures

#### Eye contact

Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

#### Skin contact

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

#### Inhalation

Move to fresh air. Get medical attention, if needed.

#### Ingestion

Rinse mouth thoroughly. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control center immediately. Never give liquid to an unconscious person.

### General advice

Call a physician if symptoms develop or persist. 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.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by WHMIS criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water spray. Foam. Dry powder. Carbon dioxide (CO2).
<b>Fire fighting equipment/instructions</b>	In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.
<b>Specific methods</b>	Cool containers exposed to flames with water until well after the fire is out.
<b>Hazardous combustion products</b>	May include oxides of nitrogen. Carbon monoxide and carbon dioxide.

## 6. Accidental Release Measures

<b>Personal precautions</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>Methods for containment</b>	Use water spray to reduce vapors or divert vapor cloud drift.
<b>Methods for cleaning up</b>	Should not be released into the environment. Dike far ahead of spill for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Following product recovery, flush area with water.  Never return spills in original containers for re-use. Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	Avoid breathing mist or vapor. Do not use in areas without adequate ventilation. Avoid prolonged exposure. When using do not eat or drink. Wash thoroughly after handling. Avoid release to the environment.
<b>Storage</b>	Room temperature - normal conditions. Keep out of the reach of children. Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### Canada - British Columbia

Components	Type	Value
ANTIMONY COMPOUNDS (15890-25-2)	TWA	0.5 mg/m3

#### Canada - Ontario

Components	Type	Value
ANTIMONY COMPOUNDS (15890-25-2)	TWA	0.5 mg/m3

#### Canada - Quebec

Components	Type	Value
ANTIMONY COMPOUNDS (15890-25-2)	TWA	0.5 mg/m3

<b>Engineering controls</b>	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.
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### Personal protective equipment

<b>Eye / face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	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.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Oily.
<b>Color</b>	Amber.
<b>Odor</b>	Petroleum

<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid.
<b>pH</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Boiling point</b>	> 564.8 °F (> 296 °C)
<b>Flash point</b>	381.2 °F (194 °C) Pinsky-Martens Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	50 % v/v estimated
<b>Flammability limits in air, lower, % by volume</b>	1 % v/v estimated
<b>Vapor pressure</b>	0.01 hPa estimated
<b>Density</b>	864 kg/m <sup>3</sup>
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	0.86
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Negligible
<b>Solubility (other)</b>	Oil Solvents
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	500 °F (260 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	< 0.1 %
<b>Viscosity</b>	19 cSt @ 212 °F (100 °C)
<b>Percent volatile</b>	< 0.1 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Hazardous decomposition products</b>	Nitrogen oxides (NOx). At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## 11. Toxicological Information

### Toxicological data

Product	Test Results
Bel-Ray Works Thumper Racing Full Synthetic Ester 4T Engine Oil 10W-50 (Mixture)	Acute Dermal LD50 Rabbit: 19950 mg/kg estimated  Acute Inhalation LC50 Rat: 618 mg/l estimated Acute Oral LD50 Rat: 2364 g/kg estimated
Components	Test Results
ANTIMONY COMPOUNDS (15890-25-2)	Acute Dermal LD50 Rabbit: > 16000 mg/kg Acute Oral LD50 Rat: > 16000 mg/kg

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

<b>Acute effects</b>	Causes skin and eye irritation.
<b>Local effects</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Contact with eyes may cause irritation.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.

## 12. Ecological Information

### Ecotoxicological data

#### Product

Bel-Ray Works Thumper Racing Full Synthetic Ester 4T Engine Oil  
10W-50 (Mixture)

#### Test Results

EC50 Daphnia: 579 mg/l 48.00 hours estimated

LC50 Fish: 2052 mg/l 96.00 hours estimated

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

#### Ecotoxicity

Contains a substance which causes risk of hazardous effects to the environment.

#### Environmental effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

#### Persistence and degradability

Not available.

## 13. Disposal Considerations

#### Disposal instructions

Do not allow this material to drain into sewers/water supplies. 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 in accordance with all applicable regulations.

#### Waste from residues / unused products

Dispose of in accordance with local regulations.

## 14. Transport Information

#### TDG

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

## 15. Regulatory Information

#### Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

#### WHMIS status

Controlled

#### WHMIS classification

D2B - Other Toxic Effects-TOXIC

#### WHMIS labeling



#### 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

Korea

Existing Chemicals List (ECL)

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

#### Further information

HMIS® is a registered trade and service mark of the NPCA.

#### HMIS® ratings

Health: 2\*

Flammability: 1

Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 1  
Instability: 0

**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. 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.

**Issue date**

04-23-2011

**This data sheet contains changes from the previous version in section(s):**

Product and Company Identification: Product and Company Identification