



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation Bel-Ray EXL Mineral 4T Engine Oil 10W-40

Product code 99090

MSDS Number 6394

Version No. 1,0

Revision Date 14-June-2010

Manufacturer

Bel-Ray Company, Inc.
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)

Bel-Ray Europe S.A.
Avenue Louise, 304
Bruxelles-Brussel, B-1050
Belgium
+32 (0) 2 540 84 52
Europe: +32 (0) 2 201 18 87
Europe Emergency: 112

2. HAZARDS IDENTIFICATION

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments

Physical hazards Not classified as a physical hazard.

Health hazards Prolonged exposure may cause chronic effects.

Environmental hazards Not classified as an environmental hazard.

Specific hazards No hazards resulting from the material as supplied.

Main symptoms Irritation of eyes and mucous membranes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Classification	CAS-No.	%	EC-No. / REACH Registration No.	Notes
Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5			>= 80		#

#: This substance has workplace exposure limit(s).
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

The full text for all R-phrases is displayed in Section 16.

4. FIRST-AID MEASURES

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

Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Do not induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. If ingestion of a large amount does occur, call a poison control centre immediately. Never give liquid to an unconscious person.

General advice Call a physician if symptoms develop or persist.

5. FIRE-FIGHTING MEASURES

Fire fighting equipment/instructions In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

Suitable extinguishing media Water. Water spray. Foam. Dry powder. Carbon dioxide (CO2).

Specific methods Cool containers exposed to flames with water until well after the fire is out.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions In case of spills, beware of slippery floors and surfaces.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Containment procedures Use water spray to reduce vapours or divert vapour cloud drift.

Methods for cleaning up 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.

7. HANDLING AND STORAGE

Handling Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling.

Storage Room temperature - normal conditions. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Belgium

Components	Type	Value	Form
Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5	STEL	10.0000 mg/m3	Mist.
	TWA	5.0000 mg/m3	Mist.

Denmark

Components	Type	Value	Form
Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5	TLV	1.0000 mg/m3	Mist.

Italy

Components	Type	Value	Form
Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5	STEL	10.0000 mg/m3	Mist.
	TWA	5.0000 mg/m3	Mist.

Netherlands

Components	Type	Value	Form
Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5	TWA	5.0000 mg/m3	Mist.

Spain

Components	Type	Value	Form
Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5	STEL	10.0000 mg/m3	Mist.
	TWA	5.0000 mg/m3	Mist.

Sweden

Components	Type	Value	Form
Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5	STEL	3.0000 mg/m3	Mist.
	TWA	1.0000 mg/m3	Mist.

Exposure 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.

Occupational exposure controls

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection Not normally needed.

Eye protection Not normally needed.

Skin and body protection No special protective equipment required.

General Applicable for industrial settings only: Use personal protective equipment as required. Keep working clothes separately.

Hygiene measures Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Oily.
Physical state	Liquid
Form	Liquid.
Colour	Amber.
Odour	Petroleum
Odour threshold	Not available.
pH	Not available.
Boiling point	343 °C (649,4 °F) estimated
Flash point	188 °C (370,4 °F) Pensky-Martens Closed Cup
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapour pressure	0,13 hPa estimated
Density	872 kg/m ³
Relative density	Not available.
Solubility (water)	Negligible
Solubility (other)	Oil Solvents
Partition coefficient (n-octanol/water)	Not available.
Viscosity	Not available.
Vapour density	Not available.
Evaporation rate	Not available.
Melting point/Freezing point	Not available.
Auto-ignition temperature	260 °C (500 °F) estimated
VOC	0,751998 % estimated
Percent volatile	0,0846 % estimated

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Nitrogen oxides (NO _x). At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
Stability	Material is stable under normal conditions.
Materials to avoid	Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Toxicological data	
Product	Test results
Bel-Ray EXL Mineral 4T Engine Oil 10W-40 (Mixture)	Acute Dermal LD50 Rabbit: 3425 mg/kg estimated Acute Oral LD50 Rat: 2364 g/kg estimated

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

Routes of exposure	Inhalation. Not applicable.
Chronic toxicity	Prolonged inhalation may be harmful.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductivity	Contains no ingredient listed as toxic to reproduction
Epidemiology	No epidemiological data is available for this product.
Local effects	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Contact with eyes may cause irritation. May cause skin irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Product

Bel-Ray EXL Mineral 4T Engine Oil 10W-40 (Mixture)

Test results

EC50 Daphnia: 684 mg/l 48.00 hours estimated
LC50 Fish: 801 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.

13. DISPOSAL CONSIDERATIONS

Disposal instructions

Dispose in accordance with all applicable regulations.

Waste from residues / unused products

Dispose of in accordance with local regulations.

Contaminated packaging

Offer rinsed packaging material to local recycling facilities.

14. TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

Labeling

Contains

Interchangeable base oils, one or more: 64741-88-4, 64742-65-0, 64742-52-5

Other regulations

The product does not need to be labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

Water hazard class

VwVwS

WGK1

16. OTHER INFORMATION

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

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)

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

14-June-2010