



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Bel-Ray ATV Trail Mineral 4T Engine Oil 10W-40
Product Code 99050
MSDS Number 6410
Version # 1.0
Revision date 06-18-2010
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 DANGER

Corrosive. Causes eye burns. Causes eye burns. Irritating to skin. Irritating to 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.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure

Skin contact. Eye contact.

Eyes

Causes eye burns. Risk of serious damage to eyes. Do not get this material in contact with eyes.

Skin

Irritating to skin. Irritating to skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Do not get this material in contact with skin.

Inhalation

May cause irritation of respiratory tract. Prolonged inhalation may be harmful. Do not breathe dust/fume/gas/mist/vapors/spray. May cause irritation of respiratory tract.

Ingestion

Do not ingest. May cause irritation. May cause irritation.

Target organs

Eyes.

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, TRIS(DIPENTYLCARBAMODITHIOATO)	15890-25-2	1 - 2.5
ZINC ALKYL DITHIOPHOSPHATE	68649-42-3	1 - 2.5
Non-hazardous components	CAS #	Percent
Interchangeable base oils, one or more: 64742-52-5, 64742-55-8, 64742-65-0, 64741-88-4, 72623-86-0		>= 80

4. First Aid Measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin contact	Remove and isolate contaminated clothing and shoes. Immediately flush skin with plenty of water. Get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give liquid to an unconscious person.
Notes to physician	In case of shortness of breath, give oxygen. Keep victim warm.
General advice	Immediate medical attention is required. In case of shortness of breath, give oxygen. Keep victim warm. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties	Not flammable by OSHA criteria. Not combustibile by OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Water. Water spray. Foam. Dry powder. Carbon dioxide (CO2).
Fire fighting equipment/instructions	Not available.
Specific methods	Cool containers exposed to flames with water until well after the fire is out.
Hazardous combustion products	May include oxides of nitrogen. Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Keep upwind. Keep out of low areas. 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.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use water spray to reduce vapors or divert vapor cloud drift.
Methods for cleaning up	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.

7. Handling and Storage

Handling	DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Avoid release to the environment. Hydrogen sulfide (H2S) may be given off when this material is heated. Do not depend on sense of smell for warning.
Storage	Keep away from heat, sparks and open flame. Room temperature - normal conditions. Store in a well-ventilated place. Keep container tightly closed. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH			
Components	Type	Value	Form
ANTIMONY, TRIS(DIPENTYLCARBAMODITHIOATO) (15890-25-2)	TWA	0.5000 mg/m3	
Interchangeable base oils, one or more: 64742-52-5, 64742-55-8, 64742-65-0, 64741-88-4, 72623-86-0	STEL	10.0000 mg/m3	Mist.
	TWA	5.0000 mg/m3	Mist.

U.S. - OSHA**Components****Type****Value****Form**ANTIMONY, TRIS(DIPENTYLCARBAMODITHIOATO)
(15890-25-2)

PEL

0.5000 mg/m3

Interchangeable base oils, one or more: 64742-52-5,
64742-55-8, 64742-65-0, 64741-88-4, 72623-86-0

TWA

0.5000 mg/m3

PEL

5.0000 mg/m3

Mist.

2000.0000
mg/m3

TWA

500.0000 ppm

5.0000 mg/m3

Mist.

400.0000 ppm

1600.0000

mg/m3

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**Eye / face protection**

Do not get in eyes. Chemical goggles are recommended.

Skin protection

Do not get this material in contact with skin. Do not get this material on clothing. Wear appropriate chemical resistant clothing. It may provide little or no thermal protection. Chemical resistant gloves.

Respiratory protection

Do not breathe dust/fume/gas/mist/vapors/spray. Wear positive pressure self-contained breathing apparatus (SCBA).

General hygiene considerations

Do not get in eyes. Do not get this material in contact with skin. Do not get this material on clothing. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties**Appearance**

Oily.

Color

Brown.

Odor

Mild.

Odor threshold

Not available.

Physical state

Liquid

Form

Liquid.

pH

Not available.

Melting point/Freezing point

Not available.

Boiling point

600.8 °F (316 °C)

Flash point

374 °F (190 °C) Pensky-Martens Closed Cup

Evaporation rate

Not available.

Flammability limits in air, upper, % by volume

50 % v/v estimated

Flammability limits in air, lower, % by volume

1 % v/v estimated

Vapor pressure

0.1263 hPa estimated

Density879 kg/m³**Vapor density**

Not available.

Specific gravity

0.879

Relative density

Not available.

Solubility (water)

Negligible

Solubility (other)

Oil

Solvents

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

500 °F (260 °C) estimated

Decomposition temperature	Not available.
VOC	1.1e-005 % estimated
Viscosity	13.8 - 15.8 cSt @ 104 °F (40 °C)
Percent volatile	1.1e-005 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat, flames and sparks.
Hazardous decomposition products	Nitrogen oxides (NOx). At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Hydrogen sulfide.

11. Toxicological Information

Toxicological data

Product	Test Results
Bel-Ray ATV Trail Mineral 4T Engine Oil 10W-40 (Mixture)	Acute Dermal LD50 Rabbit: 11457 mg/kg estimated Acute Inhalation LC50 Rat: 618 mg/l estimated
Components	Test Results
ANTIMONY, TRIS(DIPENTYLCARBAMODITHIOATO) (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.

Acute effects	Causes eye burns. Causes skin irritation.
Local effects	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic effects	Hazardous by OSHA criteria. Prolonged inhalation may be harmful.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Skin corrosion/irritation	Hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicological data

Product	Test Results
Bel-Ray ATV Trail Mineral 4T Engine Oil 10W-40 (Mixture)	LC50 Fish: 599 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

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

ANTIMONY, TRIS(DIPENTYLCARBAMODITHIOATO) (CAS 15890-25-2) 1.0 % N010

ZINC ALKYL DITHIOPHOSPHATE (CAS 68649-42-3) 1.0 % N982

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

ANTIMONY, TRIS(DIPENTYLCARBAMODITHIOATO) (CAS 15890-25-2) Listed. N010

ZINC ALKYL DITHIOPHOSPHATE (CAS 68649-42-3) Listed. N982

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

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)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

CADMIUM AND COMPOUNDS (CAS 7440-43-9) Listed: October 1, 1987 Carcinogenic.

LEAD (CAS 7439-92-1) Listed: October 1, 1992 Carcinogenic.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

CADMIUM AND COMPOUNDS (CAS 7440-43-9) Listed: May 1, 1997 Developmental toxin.

LEAD (CAS 7439-92-1) Listed: February 27, 1987 Developmental toxin.

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

LEAD (CAS 7439-92-1) Listed: February 27, 1987 Female reproductive toxin.

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

CADMIUM AND COMPOUNDS (CAS 7440-43-9) Listed: May 1, 1997 Male reproductive toxin.

LEAD (CAS 7439-92-1) Listed: February 27, 1987 Male reproductive toxin.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

ANTIMONY, TRIS(DIPENTYLCARBAMODITHIOATO) (CAS 15890-25-2) 500 LBS

ZINC ALKYL DITHIOPHOSPHATE (CAS 68649-42-3) 500 LBS

16. Other Information

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

HMIS® ratings

Health: 3
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 3
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.

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