



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

Material name	Bel-Ray Waterproof Grease
Product Code	99540
MSDS Number	6439
Version #	1.0
Revision date	06-15-2010
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	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 not hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects	
Eyes	Contact with eyes may cause irritation.
Skin	May cause skin irritation in susceptible persons.
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
BARIUM, ACETATE TALLOW FATTY ACIDS COMPLEXES	68201-19-4	1 - 2.5

Non-hazardous components	CAS #	Percent
Interchangeable base oils, one or more: 64741-88-4, 64742-01-4, 64742-55-8, 64742-52-5		>= 80

## 4. First Aid Measures

First aid procedures	
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Rinse mouth. 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.

## 5. Fire Fighting Measures

Flammable properties	Not flammable by OSHA criteria. Not combustible 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**

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**

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift.

**Methods for cleaning up**

Should not be released into the environment.

Large Spills: Dike far ahead of spill for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

**7. Handling and Storage****Handling**

Avoid prolonged exposure. Avoid release to the environment.

**Storage**

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

**8. Exposure Controls / Personal Protection****Occupational exposure limits****ACGIH****Components****Type****Value****Form**

BARIUM, ACETATE TALLOO FATTY ACIDS COMPLEXES (68201-19-4)

TWA

0.5000 mg/m3

Interchangeable base oils, one or more: 64741-88-4, 64742-01-4, 64742-55-8, 64742-52-5

STEL

10.0000 mg/m3

Mist.

TWA

5.0000 mg/m3

Mist.

**U.S. - OSHA****Components****Type****Value****Form**

BARIUM, ACETATE TALLOO FATTY ACIDS COMPLEXES (68201-19-4)

PEL

0.5000 mg/m3

Interchangeable base oils, one or more: 64741-88-4, 64742-01-4, 64742-55-8, 64742-52-5

TWA

PEL

0.5000 mg/m3

5.0000 mg/m3

Mist.

TWA

2000.0000

mg/m3

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**

Not normally needed.

**Skin protection**

No special protective equipment required.

**Respiratory protection**

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

**9. Physical & Chemical Properties****Appearance**

Grease

<b>Color</b>	Green.
<b>Odor</b>	Mild.
<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>	649.4 °F (343 °C) estimated
<b>Flash point</b>	417.2 °F (214 °C) Pensky-Martens Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	0.3536 hPa estimated
<b>Density</b>	888 kg/m <sup>3</sup>
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	0.888
<b>Relative density</b>	0.9928 g/cm <sup>3</sup> estimated
<b>Solubility (water)</b>	Not available.
<b>Solubility (other)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	388.4 °F (198 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	0.005299 % estimated
<b>Percent volatile</b>	0.016297 % estimated

## 10. Chemical Stability & Reactivity Information

<b>Hazardous decomposition products</b>	Irritants. Nitrogen oxides (NOx). Sulfur oxides. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
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## 11. Toxicological Information

### Toxicological data

Product	Test Results
Bel-Ray Waterproof Grease (Mixture)	Acute Dermal LD50 Rabbit: 6989 mg/kg estimated Acute Inhalation LC50 Rat: 3.5788 mg/l estimated Acute Oral LD50 Rat: 44444 g/kg estimated Acute Oral LD50 Rat: 6737 mg/kg estimated

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

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

#### ACGIH Carcinogens

BARIUM, ACETATE TALLOW FATTY ACIDS COMPLEXES (CAS 68201-19-4)	A4 Not classifiable as a human carcinogen.
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## 12. Ecological Information

### Ecotoxicological data

Product	Test Results
Bel-Ray Waterproof Grease (Mixture)	EC50 Daphnia: 6107 mg/l 48.00 hours estimated LC50 Fish: 646 mg/l 96.00 hours estimated

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

<b>Ecotoxicity</b>	Contains a substance which causes risk of hazardous effects to the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Waste codes</b>	D005: Waste Barium
<b>Disposal instructions</b>	Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies.
<b>Waste from residues / unused products</b>	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

<b>US federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

BARIUM, ACETATE TALLOW FATTY ACIDS COMPLEXES 1.0 % N040  
(CAS 68201-19-4)

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

BARIUM, ACETATE TALLOW FATTY ACIDS COMPLEXES Listed. N040  
(CAS 68201-19-4)

### CERCLA (Superfund) reportable quantity

BARIUM, ACETATE TALLOW FATTY ACIDS COMPLEXES: 1000.0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	No
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### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	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

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

ETHYLBENZENE (CAS 100-41-4)

Listed: June 11, 2004 Carcinogenic.

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

BARIUM, ACETATE TALLOW FATTY ACIDS COMPLEXES 500 LBS  
(CAS 68201-19-4)

## 16. Other Information

### Further information

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

### HMIS® ratings

Health: 1

Flammability: 1

Physical hazard: 0

### NFPA ratings

Health: 0

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

06-15-2010