



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material name** High Temperature Anti-Seize Compound  
**Product code** 44500  
**Version No.** 1.1  
**Revision date** 16-November-2011  
**Synonym(s)** Anti-Seize 2000  
**Manufacturer**

Bel-Ray Company, Inc.  
Bel-Ray Company PTY Limited  
4 Ginger Street  
P.O. Box 526  
Farmingdale, NJ 07727  
Paget, QLD 4740 Australia  
749525778  
United States of America  
+1 732 938 2421  
CHEMTREC: 1800 069 100 (AUS)

CHEMTREC: 800-424-9300 (USA)  
CHEMTREC: +1 703-527-3887 (outside USA - call collect)

## 2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	0 - < 50
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	0 < 50
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	0 < 50
Lubricating Oils (petroleum), Hydrotreated Spent	64742-58-1	0 < 50
Copper	7440-50-8	10 - < 30
Zinc oxide	1314-13-2	10 - < 30
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)-	54326-11-3	< 10
Graphite	7782-42-5	< 10
Other components below reportable levels		< 10

## 4. FIRST-AID MEASURES

**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

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

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

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

**General advice** If you feel unwell, seek medical advice (show the label where possible).

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** Water fog.

**Extinguishing media which must not be used for safety reasons**

Water. Do not use water jet as an extinguisher, as this will spread the fire.

**Hazardous combustion products**

Carbon monoxide and carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**Containment procedures**

Stop the flow of material, if this is without risk.

**Methods for cleaning up**

This product is miscible in water. Following product recovery, flush area with water.

Never return spills in original containers for re-use. For waste disposal, see section 13.

## 7. HANDLING AND STORAGE

**Handling**

Use care in handling/storage.

**Storage**

Store in original tightly closed container. Store in accordance with local/regional/national/international regulation.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits**

**ACGIH**

**Components**

**Type**

**Value**

**Form**

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

TWA

5 mg/m<sup>3</sup>

Inhalable fraction.

**US. ACGIH Threshold Limit Values**

**Components**

**Type**

**Value**

**Form**

Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (54326-11-3)

TWA

1 mg/m<sup>3</sup>

Respirable fraction.

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

**Components**

**Type**

**Value**

**Form**

Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

TWA

5 mg/m<sup>3</sup>

Mist.

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

TWA

5 mg/m<sup>3</sup>

Mist.

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

TWA

5 mg/m<sup>3</sup>

Mist.

Lubricating Oils (petroleum ), Hydrotreated Spent (64742-58-1)

TWA

5 mg/m<sup>3</sup>

Mist.

**Recommended monitoring procedures**

**Additional exposure data**

Occupational Exposure Limits are not relevant to the current physical form of the product.

**Engineering measures**

General ventilation normally adequate.

**Personal protective equipment**

**Respiratory protection**

No personal respiratory protective equipment normally required.

**Hand protection**

Not normally needed.

**Eye protection**

Not normally needed.

**Skin and body protection**

Normal work clothing (long sleeved shirts and long pants) is recommended.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Grease

**Form**

Paste.

**Colour**

Bronze. Brown.

Bronze. Brown.

<b>Odour</b>	Petroleum
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapour pressure</b>	0 hPa estimated
<b>Density</b>	1493 kg/m <sup>3</sup>
<b>Vapour density</b>	Not available.
<b>Boiling point</b>	360 °C (680 °F) estimated (Base Oil)
<b>Solubility (water)</b>	Negligible
<b>Solubility (other)</b>	Oil
<b>Specific gravity</b>	1.5
<b>Flash point</b>	188 °C (370.4 °F) Pensky-Martens Closed Cup (Base Oil)
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Auto-ignition temperature</b>	260 °C (500 °F) estimated (Base Oil)
<b>VOC</b>	0.02 % estimated
<b>Viscosity</b>	79.4 cSt ASTM D445 (Base Oil)
<b>Percent volatile</b>	0.02 % estimated
<b>Other data</b>	
<b>Drop point</b>	> 260 °C (> 500 °F)
<b>Flammability class</b>	Combustible IIIB estimated
<b>Flash point class</b>	Combustible IIIB
<b>Viscosity temperature</b>	40 °C (104 °F)

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Toxicological data

Product	Test results
High Temperature Anti-Seize Compound (Mixture)	Acute Oral LD50 Rat: 1703.7 g/kg estimated Acute Other LD50 Mouse: 8518.52 mg/kg estimated Acute Other LD50 Rat: 7962.96 mg/kg estimated
<b>Routes of exposure</b>	Not applicable
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Reproductivity</b>	Not classified.
<b>Epidemiology</b>	No epidemiological data is available for this product.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Mobility</b>	This product is miscible in water.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

### ADG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

### National regulations

This Material Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

## 16. OTHER INFORMATION

### 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.

### Issue date

16-November-2011

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

FIRST-AID MEASURES: Notes to physician  
EXPOSURE CONTROLS/PERSONAL PROTECTION: Respiratory protection  
EXPOSURE CONTROLS/PERSONAL PROTECTION: Hand protection  
EXPOSURE CONTROLS/PERSONAL PROTECTION: Eye protection  
EXPOSURE CONTROLS/PERSONAL PROTECTION: Skin and body protection  
PHYSICAL AND CHEMICAL PROPERTIES: Form  
TOXICOLOGICAL INFORMATION: Carcinogenicity