

MSDS Document

Product BOSS® 755 O-Ring Lubricant Silicone Compound

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 755 O-Ring Lubricant Silicone Compound

Synonyms: 02616BR10, 02616BR07, 02616BR01, 02616BR01D

MSDS ID BOSS755

Manufacturer

Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

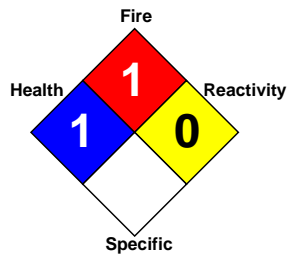
Phone Number

(270) 769-3385

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 2/22/2007



2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Lithium Stearate	4485-12-5	15% - 40%	10 mg/m	5 mg/m	
Di(2-ethylhexyl) sebacate	122-62-3	10% - 30%			
Dimethyl, phenylmethyl siloxane, trimethyl-terminated	63148-52-7	> 60.0 %			

3. Hazard Identification

Eye Contact

Direct contact may cause mild irritation.

Skin Contact

No significant irritation expected from a single short-term exposure. Repeated or prolonged exposure may cause irritation.

Inhalation

No significant effects expected from a single short-term exposure.

Ingestion

Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may injure internally.

Symptoms of Overexposure

No known applicable information.

Existing Conditions Aggravated by Exposure

No known applicable information.

Note

The above listed potential effects are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for detailed toxicology information.

4. First Aid Information

Eye Contact

Immediately flush with water for 15 minutes.

Skin Contact

No first aid should be needed.

Inhalation

No first aid should be needed.

Ingestion

Get medical attention.

Comments

Treat according to person's condition and specifics of exposure.

5. Fire Fighting Measures

Flash Point >214F >101C

FP Method Closed Cup

Auto-ignition Temperature

Not determined

Flammability Limits in Air

Not determined

Extinguishing Media

Carbon Dioxide (CO₂), Dry Chemical, Foam, Water Spray

Water can be used to cool fire exposed containers.

Special Fire Fighting Procedures

Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire or Explosion Hazards

None known

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:

Carbon oxides and traces of incompletely burned carbon compounds

Formaldehyde

Silicon dioxide

Metal oxides

6. Accidental Release Measures

Steps to be taken in case of spill or release

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. For small spills, wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities, may present a slip hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

7. Handling and Storage

Handling

Use with adequate ventilation. Traces of benzene (carcinogen) may form if heated above 300F (149C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review OSHA benzene regulation for detailed information on safe handling requirements. Avoid eye contact. Do not breathe mist. Keep container closed.

Storage

Use reasonable care and store away from oxidizing materials.

8. Exposure Controls and Personal Protection

Component Exposure Limits

There are no components with workplace exposure limits.

Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

Eye Protection

Use proper protection - safety glasses as a minimum.

Skin Protection

Washing at mealtime and end of shift is adequate.

Suitable gloves: No special protection needed.

Respiratory Protection

No respiratory protection should be needed.

Suitable Respirator:

None should be needed.

Comment

Traces of benzene (carcinogen) may form if heated above 300F (149C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review OSHA benzene regulation for detailed information on safe handling requirements.

Note

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com).

9. Physical and Chemical Properties

Physical State	Grease
Specific Gravity	1.1
Density lbs/Gal.	9.17994
Color/Appearance	Pink
Odor	Slight odor
pH	Not determined
Boiling/Cond. Point	Not determined
Melting/Freezing Point	Not determined
Solubility	Not determined
VOC %	Not determined
Percent Volatile	Not determined
Viscosity	Not determined
Vapor Density	Not determined
Vapor Pressure	Not determined

Note

The above information is not intended for use in preparing product specifications. Contact

Accumetric LLC before writing specifications.

10. Stability and Reactivity

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Conditions to Avoid

None known

Materials to Avoid / Incompatibility

Oxidizing material can cause a reaction.

11. Toxicological Information

Component Toxicology Information

No known applicable information.

Special Hazard Information on Components

No known applicable information.

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13. Disposal Considerations

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? NO

State or local laws may impose additional regulatory requirements regarding disposal.

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

14. Transportation Information

DOT Road Shipment Information

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA Title III Section 302 Extremely Hazardous Substances

None

SARA Title III Section 304 CERCLA Hazardous Substances

None

SARA Title III Section 312 Hazard Class

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

SARA Title III Section 313 Toxic Chemicals

None present or none present in regulated quantities.

California Proposition 65

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known

Massachusetts

Lithium stearate (4485-12-5)

New Jersey

Di(2-ethylhexyl) sebacate (122-62-3)

Dimethyl, phenylmethyl siloxane, trimethyl-terminated (63148-52-7)

Lithium stearate (4485-12-5)

Pennsylvania

Di(2-ethylhexyl) sebacate (122-62-3)

Dimethyl, phenylmethyl siloxane, trimethyl-terminated (63148-52-7)

Lithium stearate (4485-12-5)

16. Other Information

Disclaimer

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.