



# MATERIAL SAFETY DATA SHEET

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Revised edition no : 8

Date : 18/5/2006

Supersedes : 17/5/2006

## Bel-Ray No-Tox Silicone Lube

# 61780

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

**Trade name** : Bel-Ray No-Tox Silicone Lube.  
**Identification of the product** : Aerosol lubricant.  
**Use** : Food-grade lubricant. NSF H1 Registered Number 126283.  
**Company identification** : Bel-Ray Company, Inc.  
P.O. Box 526  
Farmingdale NJ 07727 United States of America  
Tel: +1 732 938 2421  
**Emergency phone no** : CHEMTREC: 800-424-9300 (USA); +1 703-527-3887 (outside USA-call collect)

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

**Other information** : Contains: Synthetic oil.  
SARA Section 313 Chemical Listing: See Heading 15.  
R Phrases: See Heading 16.

Substance name	Content	CAS No	EC No	Index No	Classification
Heptane	: greater than 50 %	142-82-5	205-563-8	601-008-00-2	F; R11 Xn; R65 R67 Xi; R38 N; R50-53
Distillates, hydrotreated light	: 20 to 50 %	64742-47-8	265-149-8	649-422-00-2	Xn; R65

### 3 HAZARDS IDENTIFICATION

**Hazards identification** : Highly flammable.  
**Primary route of exposure** : Inhalation. Skin. Eyes. Ingestion.  
**Symptoms relating to use**  
• **Inhalation** : Harmful by inhalation. Irritating to respiratory system. Danger of serious damage to health by prolonged exposure through inhalation.  
• **Skin contact** : Irritating to skin.  
• **Eye contact** : Irritating to eyes.  
• **Ingestion** : Harmful if swallowed.

### 4 FIRST AID MEASURES

**First aid measures** : If overcome by exposure, remove victim to fresh air immediately. Symptoms may include dizziness, headache, nausea and loss of co-ordination. Seek medical advice (show the label where possible).  
• **Inhalation** : In case of accident by inhalation: remove casualty to fresh air and keep at rest. Call a physician.  
• **Skin contact** : Wash skin thoroughly with mild soap and water. Seek medical attention if ill effect or irritation develops.  
• **Eye contact** : Immediately flush eyes thoroughly with water for at least 15 minutes. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain emergency medical attention if pain, blinking, tears or redness persist.  
• **Ingestion** : Rinse mouth with water, do not induce vomiting, call a doctor.  
**Note to physician** : Treat symptomatically.

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### 5 FIRE-FIGHTING MEASURES

- Flammable class** : Highly flammable.
- Hazardous combustion products** : Incomplete combustion may form carbon monoxide, carbon dioxide, gas.
- **Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide.
  - **Unsuitable extinguishing media** : Use of heavy stream of water may spread fire.
- Protection against fire** : Use self-contained breathing apparatus when in close proximity to fire.
- Special procedures** : Fight fire from safe distance and protected location.

### 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Eliminate every possible source of ignition. Ensure adequate ventilation. Ventilate confined spaces before entering. Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers and public waters.
- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up small spills with dry chemical absorbent. Take up large spills with pump or vacuum. Sweep or shovel spills into appropriate container for disposal. Dispose in a safe manner in accordance with local/national regulations.

### 7 HANDLING AND STORAGE

- Precautions in handling and storage** : When using, do not eat, drink or smoke.
- Storage** : Store in dry, cool, well-ventilated area.  
Provide adequate ventilation to minimize dust and/or vapour concentrations.  
Keep only in the original container.
- Storage - away from** : Strong oxidizing agents.  
Heat sources.  
Prolonged exposure to sunlight.  
Combustible material.  
Keep away from ignition sources including static discharges.
- Handling** : Handle in accordance with good industrial hygiene and safety procedures.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection** : Ensure adequate ventilation.
- **Respiratory protection** : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
  - **Hand protection** : For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils.
  - **Skin protection** : If skin contact or contamination of clothing is likely, protective clothing should be worn.
  - **Eye protection** : Chemical goggles or safety glasses. (ANSI Z-87 approved safety glasses with side shields or equivalent chemical splash goggles)
  - **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Handle in accordance with good industrial hygiene and safety procedures.
- Occupational Exposure Limits** : Heptane : OEL (UK)-LTEL [ppm] : 500

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Liquid.
Colour	: White.
Odo(u)r	: Hydrocarbon
Density	: 599 kg/m <sup>3</sup> @20°C
pH value	: No data available.
Solubility in water	: Negligible.
Solubility in:	: Oil.
Flash point [°C]	: -4°C (24°F) Heptane
Explosion limits	: No data available.
Evaporation rate	: No data available.

### 10 STABILITY AND REACTIVITY

Stability and reactivity	: Stable.
Hazardous decomposition products	: Carbon dioxide, carbon monoxide & others.
Hazardous reactions	: None under normal conditions.
Materials to avoid	: Strong oxidizers.
Conditions to avoid	: Heat. Open flame. Sparks. Keep away from ignition sources including static discharges.

### 11 TOXICOLOGICAL INFORMATION

Toxicity information	: No data available.
• Inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness. Irritation of the respiratory tract and the other mucous membranes. Inhalation may affect the nervous system causing headache, possibly dizziness, nausea, weakness, loss of coordination and unconsciousness.
• Dermal	: Irritating to skin.
• Ocular	: Irritating to eyes.
• Ingestion	: Harmful if swallowed.
Rat oral LD50 [mg/kg]	: No data available.
Rabbit dermal LD50 [mg/kg]	: No data available.

### 12 ECOLOGICAL INFORMATION

Ecological effects information	: Low mobility (soil). Material insoluble in water. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Bioaccumulative potential	: No data available.
Persistence - degradability	: No data available.

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### 13 DISPOSAL CONSIDERATIONS

**General** : Material, as supplied, is a RCRA D001 hazardous waste. Some states may regulate the disposal of petroleum and petroleum products. **DO NOT INCINERATE AEROSOL CANS.** Processing, use, or contamination may make this information inaccurate or incomplete.  
Dispose in a safe manner in accordance with local/national regulations.  
Contents under pressure. Do not attempt disposal by burning.

### 14 TRANSPORT INFORMATION

**UN No.** : 1950  
**Proper shipping name** : Aerosols, Flammable (each not exceeding 1 liter capacity)  
**• DOT Proper shipping name** : Consumer Commodity, ORM-D  
Ship as Limited Quantity  
**ICAO/IATA**  
**• IATA Packing group** : F

### 15 REGULATORY INFORMATION

**EC Classification** : F; R11  
Xn; R22  
R67  
Xi; R36/37/38  
N; R50-53

**EC Labelling**  
**• R Phrase(s)** : R22 - Harmful if swallowed.

**NFPA Hazard Ratings (USA)** : Health : 2 - WARNING : May be harmful if inhaled or absorbed.  
Flammability : 3 - WARNING : Flammable liquid flash point below 100° F (38° C).  
Reactivity : 0 - Stable : Not reactive when mixed with water.  
Special Notice Key : - - - -

**Other** : Certified Kosher by Tablet K.  
Customers are reminded to check their state list of hazardous chemicals for proper disclosure and reporting of chemical substances.

**SARA - USA** : Section 313 Chemicals:  
  
Section 311 and 312 hazards classification(s) :  
Acute: Yes  
Chronic: No  
Fire: Yes  
Reactivity: No  
Pressure: Yes

**US Toxic Substances Control Act - TSCA** : All components of this product are listed on the TSCA inventory or otherwise comply with TSCA premanufacture notification requirements.





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### 16 OTHER INFORMATION

**Recommended uses and restrictions** : Contact the producer or distributor. See product data sheet for detailed application.

**List of relevant R phrases (heading 2)** : R11 - Highly flammable.  
R38 - Irritating to skin.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 - Harmful: may cause lung damage if swallowed.  
R67 - Vapours may cause drowsiness and dizziness.

**NOTE** : May 17, 2006: Revise Sections 1, 2, 3, 5, 6, 9, 11, 14, 15, 16.

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Regulatory Department  
Bel-Ray Company, Inc.

**Print date** : 18/5/2006

Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.

Details given in this document are believed to be correct at the time of going to press.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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**End of document**

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