

# Material Safety Data Sheet

Page 1 of 4

## **SANTOLUBES LLC**

SANTOTRAC, SANTOVAC, SANTOLUBES, SYNERGY  
P.O. Box 960  
St. Charles MO 63302-0960

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: **SANTOLUBE® EP-2 LUBRICATING GREASE**

**Chemical Family:** Synthetic Hydrocarbon Grease.

FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE EXPOSURE, OR ACCIDENT  
Call CHEMTREC –1-800-424-9300

For additional non-emergency information, call: 636-723-0240

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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SANTOLUBE® EP-2 Lubricating Grease is a proprietary lubricant with unique traction properties. The composition of SANTOLUBE® EP-2 Grease is a trade secret of SANTOLUBES LLC. All components of SANTOLUBE® EP-2 Grease appear on the Inventory of Chemical Substances published by the U.S. Environmental Protection Agency (EPA) under the authority of the Toxic Substances Control Act (TSCA).

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### 3. HAZARDS IDENTIFICATION

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This lubricating Grease contains metal Napthenate at <1 %wt.

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### 4. FIRST AID MEASURES

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FIRST AID: In case of contact, immediately flush the area with plenty of water. Remove contaminated clothing. Wash clothing before reuse.

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### 5. FIRE FIGHTING MEASURES

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Flash Point: 335°F

Method: Cleveland Open Cup

Extinguishing Media: Water spray, foam, dry chemical, CO2 or any Class B extinguishing agent.

Special Fire Fighting Procedures: Fire fighters or others exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus. Equipment must be thoroughly decontaminated after use.

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### 6. ACCIDENTAL RELEASE MEASURES

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Spill and Leak Information: Wipe surfaces with rags or cellulose and incinerate.

This material should not be dumped, spilled, rinsed, or washed into sewers or public waterways.

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### 7. HANDLING AND STORAGE

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Avoid contact with eyes, skin and clothing. Wear chemical safety goggles and impervious gloves.

Wash thoroughly after handling.

Do not take internally.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Eye Protection:** Wear chemical safety goggles to prevent eye contact.

**Skin Protection:** Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove for a given application. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash thoroughly after handling.

**Respiratory Protection:** Avoid breathing vapor and mist. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure is excessive. Consult respirator manufacturer to determine type equipment for given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR § 1910.134.

**Ventilation:** Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

**Airborne Exposure Limits:** No permissible exposure limit or threshold limit value has been established by OSHA or the ACGIH for SANTOLUBE® EP-2 Lubricating Grease or its components.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance:** Amber grease.

**Pour Point/Dropping Point:** 350°F (177°C)

**Density:** 0.93 g/mL

**NOTE:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be considered as a guaranteed analysis of any specific lot or as specification items.

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## **10. STABILITY AND REACTIVITY**

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**Stability:** SANTOLUBE® EP-2 Lubricating Grease is stable under ordinary handling and storage conditions.

**Materials to Avoid:** Exposure to highly oxidizing materials should be avoided.

Hazardous Decompositions Products: No uniquely hazardous decomposition products are expected. If the product is burned, carbon dioxide, carbon monoxide, low molecular weight hydrocarbons, soot and smoke can be produced.

Hazardous Polymerization: Will not occur.

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## **11. TOXICOLOGICAL INFORMATION**

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Oral (Rat LD50): >15,800 mg/kg - Practically nontoxic

Dermal (Rabbit LD50): >7,940 mg/kg - Practically nontoxic

Eye Irritation (Rabbit): (Avg. Max.) 9.3 on a scale of 110.0, Slightly Irritating

Skin Irritation (Rabbit): (Avg. Max.) 1.0 on a scale of 8.0, Slightly Irritating.

Patch testing of 207 human volunteers with a major component of this material produced one positive reaction after initial material application; 27 out of 207 subjects demonstrated continuing irritation during 15 subsequent exposures; one subject reacted at rechallenge 2 weeks later. This material may be considered an irritant and a fatiguing agent.

In a 4-week aerosol inhalation study, rats were exposed to a major component of this material at average concentrations of 15, 68 and 263 mg/m<sup>3</sup> for 6 hours/day, 5 days/week. No treatment related effects were observed. The no-effect level, as determined by this study is 263 mg/m<sup>3</sup>.

A major component of this material was fed in the diet to rats at concentrations of 500, 1,500 and 3,000 or 5,000 mg/kg/day for 90 days. Due to excessive mortality during weeks 3 and 4 in animals receiving the highest dosage (5,000 mg/kg/day), the dosage was reduced to 3,000 mg/kg/day effective week 4. Hematological and blood chemistry changes, reduced mean body weights and a dose-related increase in mean liver weights were noted in animals at all dose levels tested. Microscopic tissue changes were observed in mid and high-dose male rats. A no-effect level was not determined in this study. No teratogenic, fetotoxic or maternally toxic effects were observed in rats orally administered a major component of this material at 290, 905 and 2,277 mg/kg body weight on days 6 through 15 of gestation.

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## **12. ECOLOGICAL INFORMATION**

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SANTOLUBES LLC has not conducted any test at this time to determine what if any effects SANTOLUBE® EP-2 Lubricating Grease may have upon the environment.

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## **13. DISPOSAL CONSIDERATIONS**

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This material when discarded is not a hazardous waste as defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dispose of in accordance with all federal, state and local environmental regulations. Recommended method of disposal is by high temperature incineration in a RCRA approved TSDF. If there are any questions regarding the disposal of this material, please consult the Environmental, Health & Safety Department of SANTOLUBES LLC at 636-723-0240.

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## **14. TRANSPORT INFORMATION**

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**MATERIAL SAFETY DATA SHEET**  
**SANTOLUBE® EP-2 LUBRICATING GREASE**

Page 4 of 4

DOT Hazard: This product is not classified as a hazardous material by the U.S. Department of Transportation.

DOT Label(s): Not Applicable.

U.S. Surface Freight Classification: Lubricating Oil, Other Than Petroleum.

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**15. REGULATORY INFORMATION**

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Reportable Quantity (RQ) Under U.S. EPA CERCLA Regulations: Not Listed.

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**16. OTHER INFORMATION**

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SANTOLUBE® EP-2 Lubricating Grease is a registered trademark of SANTOLUBES LLC

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NOTICE: Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, SANTOLUBES LLC makes no representations as to the completeness or accuracy thereof. Information is supplied upon the conditions that the persons receiving same will make their own determinations as to its suitability for their purposes prior to use. In no event will SANTOLUBES LLC be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

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