

Santolubes LLC

Findett, Santotrac, Santovac, Santolubes, Synergy

4/1/2022

Safety Data Sheet

Page 1 of 5

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SANTOLUBES® SEM-EP2

Company Name: Santolubes JAPAN G.K

Address: 8-42 Hirayama Mikunimati Sakai Shi Fukui ken 〒913-0004 Japan

Phone:+81 776-43-1456

Chemical Family: Synthetic Hydrocarbon.

Chemical Name: CAS NO:38970-72-8 2,4-DICYCLOHEXYL-2- METHYLPENTANE

2. COMPOSITION/INFORMATION ON INGREDIENTS

SANTOLUBES ® EP-2 is a proprietary lubricant with unique traction properties. The composition of EP-2 Grease is a trade secret of Santolubes LLC. All components of 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).

3. HAZARDS IDENTIFICATION

All Ingredients are listed with RSCA

4. FIRST AID MEASURES

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

5. FIRE FIGHTING MEASURES

Flash Point: 191°C

Method: Cleveland Open Cup

Santolubes LLC

Findett, Santotrac Traction Lubricants, Santovac Fluids and Synergy Products

MATERIAL SAFETY DATA SHEET **SANTOLUBES® SEM EP-2**

Page 2 of 5

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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

Santolubes LLC

Findett, Santotrac Traction Lubricants, Santovac Fluids and Synergy Products

MATERIAL SAFETY DATA SHEET **SANTOLUBES® SEM EP-2**

Page 3 of 5

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 EP-0 Lubricating Grease or its components.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber yellow grease.

Pour Point/Dropping Point: 191°C

Density: 0.93 g/cc

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.

10. STABILITY AND REACTIVITY

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

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

Hazardous Decomposition 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.

11. TOXICOLOGICAL INFORMATION

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.

Santolubes LLC

Findett, Santotracs Traction Lubricants, Santovac Fluids and Synergy Products

MATERIAL SAFETY DATA SHEET SANTOLUBES® SEM EP-2

Page 4 of 5

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/m³ 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/m³.

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.

12. ECOLOGICAL INFORMATION

Santolubes LLC has not conducted any test at this time to determine what if any effects SANTOLUBES® SEM-EP2 may have upon the environment.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

DOT Hazard:

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

Santolubes LLC

Findett, Santotrac Traction Lubricants, Santovac Fluids and Synergy Products

MATERIAL SAFETY DATA SHEET SANTOLUBES® SEM EP-2

Page 5 of 5

DOT Label(s): Not Applicable.

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

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

SANTOLUBES® SEM-EP2 is a registered trademark of Santolubes LLC

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