

Conforms to HazCom 2012/United States

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

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|--|--|
| PRODUCT IDENTIFIER(S)/ TRADEMARK(S) | DIECO DIEMAKERS GREASE |
| USED ON THE LABEL: | |
| OTHER MEANS OF IDENTIFICATION: | Part #40-1001 (tube), #40-1002 (pail), #40-1003 (cartridge) |
| APPLICATION | |
| RECOMMENDED USE: | Lubricating Grease |
| USES ADVISED AGAINST: | For industrial use only. |
| SUPPLIER: | PRODUCTO DIECO 30600 Aurora Rd., Suite 160 Solon, OH 44139 (P): 800-237-1440 (F): 440-542-0250 |
| MANUFACTURER: | SPECIALTY LUBRICANTS CORPORATION 8300 Corporate Park Drive Macedonia, OH 44056 USA (P): 800-238-5823 (F): 330-425-9637 |
| EMERGENCY PHONE: | 800-424-9300 or 703-527-3887 (24HR) |
| CHEMTREC PHONE: | 800-424-9300 or 703-527-3887 (24HR) |

SECTION 2: HAZARDS IDENTIFICATION

| | |
|---|---|
| CLASSIFICATION | |
| OSHA REGULATORY STATUS: | This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) |
| CHRONIC AQUATIC TOXICITY: | Category 2 |
| LABEL ELEMENTS | EMERGENCY OVERVIEW |
| WARNING | |
| HAZARD STATEMENTS: | Toxic to aquatic life with long lasting effects. |
| |  |
| APPEARANCE: | Cream |
| PHYSICAL STATE: | Grease |
| ODOR: | Characteristic |
| PRECAUTIONARY STATEMENTS | |
| PREVENTION: | Avoid release to the environment Collect spillage |
| HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): | |
| HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): | None known. |

SECTION 2: HAZARDS IDENTIFICATION (CONTINUED)

OTHER INFORMATION: Toxic to aquatic life.

UNKNOWN ACUTE TOXICITY: 0% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONENTS | CAS NO. | WEIGHT % |
|------------|-----------|----------|
| Zinc oxide | 1314-13-2 | 5 – 10% |

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

- GENERAL ADVICE:** Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician. If symptoms persist, call a physician.
- EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- SKIN CONTACT:** Remove and wash contaminated clothing before re-use. Wash off with soap and plenty of water. Wash off immediately with soap and plenty of water.
- INGESTION:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- INHALATION:** Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician if necessary. Consult a physician.
- NOTES TO PHYSICIAN:** Treat symptomatically.
- MEDICAL CONDITION** Dermatitis.
- AGGRAVATED BY EXPOSURE:**

SECTION 5: FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:** Use dry chemical, CO₂, water spray or 'alcohol' foam.
- SPECIFIC HAZARDS:** Do not allow material to contaminate ground water system.
- SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
- SPECIFIC METHODS:** Water mist may be used to cool closed containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling Do not breathe vapor/dust.
- ENVIRONMENTAL PRECAUTIONS:** Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.
- METHODS FOR CLEANING UP:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING

TECHNICAL MEASURES/PRECAUTIONS: Provide sufficient air exchange and/or exhaust in work rooms.

SAFE HANDLING ADVICE: In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

STORAGE

TECHNICAL MEASURES / STORAGE CONDITIONS: Store at room temperature in the original container.

INCOMPATIBLE PRODUCTS: Strong oxidizing agents.

SAFE STORAGE TEMPERATURE: 5 – 35 °C

SHELF LIFE: 2 years.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| COMPONENTS | ACGIH EXPOSURE LIMITS | OSHA TWA (FINAL) | NIOSH – POCKET GUIDE |
|-------------------------------|---|----------------------|--|
| Mineral Oil | 5 mg/m ³ | 5 mg/m ³ | 5 mg/m ³ |
| Zinc oxide | 2 mg/m ³ 10 mg/m ³ | None | 5 mg/m ³ (TWA) 15 mg/m ³ (Ceiling) 10 mg/m ³ (STEL) |
| Calcium carbonate (limestone) | None | 15 mg/m ³ | 10 mg/m ³ (TWA) 5 mg/m ³ (TWA) |

ENGINEERING MEASURES: Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT:

GENERAL: Eye Wash and Safety Shower

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

EYE PROTECTION: Safety Glasses with side-shields.

HAND PROTECTION: Recommended: neoprene, latex, nitrile, butyl rubber and polyethylene type.

SKIN AND BODY PROTECTION: Long-sleeved clothing.

HYGIENE MEASURES: Avoid contact with skin, eyes and clothing.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Grease

APPEARANCE: Cream

ODOR: Characteristic

ODOR THRESHOLD: No information available.

pH: Not applicable.

pH DILUTION: No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

| | |
|---|---------------------------|
| MELTING/FREEZING POINT: | No information available. |
| BOILING POINT/RANGE: | No information available. |
| FLASH POINT: | 221 °C / 430 °F |
| METHOD: | Cleveland Open Cup (COC) |
| EVAPORATION RATE: | No information available. |
| FLAMMABILITY LIMITS IN AIR | |
| UPPER FLAMMABILITY LIMIT: | No information available. |
| LOWER FLAMMABILITY LIMIT: | No information available. |
| VOC CONTENT: | No information available. |
| VAPOR PRESSURE: | No information available. |
| VAPOR DENSITY: | No information available. |
| SPECIFIC GRAVITY (G/CC, 15 C): | 0.95 |
| BULK DENSITY (LB/GAL, 15 C): | 7.93 |
| WATER SOLUBILITY: | Insoluble. |
| PARTITION COEFFICIENT: N-OCTANOL/WATER: | No information available. |
| AUTO-IGNITION TEMPERATURE: | No information available. |
| DECOMPOSITION TEMPERATURE: | No information available. |
| KINEMATIC VISCOSITY: | No information available. |
| DYNAMIC VISCOSITY: | No information available. |
| MOLECULAR WEIGHT: | No information available. |

SECTION 10: STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| STABILITY: | Stable under recommended storage conditions. |
| CONDITIONS TO AVOID: | None known. |
| MATERIALS TO AVOID: | Strong oxidizing agents. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Carbon oxides. Nitrogen oxides (nox). Sulphur oxides. |
| HAZARDOUS POLYMERIZATION: | Not applicable. |

SECTION 11: TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

INFORMATION ON LIKELY ROUTES OF EXPOSURE

| | |
|---------------|--|
| INHALATION: | May cause irritation of respiratory tract. |
| EYE CONTACT: | Contact with eyes may cause irritation. |
| SKIN CONTACT: | Prolonged contact may cause redness and irritation. |
| INGESTION: | Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. |

| COMPONENTS | LD50 ORAL | LD50 DERMAL | LC50 INHALATION |
|------------|-----------------|-------------|-----------------|
| Zinc oxide | 500 mg/kg (Rat) | --- | --- |

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT- AND LONG-TERM EXPOSURE

| | |
|------------------|--|
| CARCINOGENICITY: | The table below indicates whether each agency has listed any ingredient as a carcinogen. |
|------------------|--|

| COMPONENTS | IARC CARCINOGENS | NTP | OSHA – SELECT CARCINOGENS |
|------------|------------------|-------------|---------------------------|
| Zinc oxide | Not listed. | Not listed. | Not listed. |

| | |
|----------------|---------------------------|
| SENSITIZATION: | No information available. |
|----------------|---------------------------|

MUTAGENIC EFFECTS: No information available.
REPRODUCTIVE TOXICITY: No information available.

SECTION 11: TOXICOLOGICAL INFORMATION (CONTINUED)

DEVELOPMENTAL TOXICITY: No information available.
TERATOGENIC: No information available.
SPECIFIC TARGET ORGAN
SYSTEMIC TOXICITY (SINGLE EXPOSURE): No information available.
SPECIFIC TARGET ORGAN
SYSTEMIC TOXICITY (REPEATED EXPOSURE): No information available.
ASPIRATION HAZARD: No information available.
ADDITIONAL INFORMATION ON TOXICOLOGICAL EFFECTS: MINERAL OIL INFORMATION: Any product containing a substance for which OSHA has established a permissible exposure limit (PEL) is considered hazardous. OSHA has established a PEL of 5 mg/m³ for worker exposure to air borne mists of mineral oils. Therefore, the presence of mineral oils brings this product within the provisions of the OSHA Hazard Communication Standard where the PEL reaches or exceeds 5 mg/m³. Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

| COMPONENTS | ECOTOXICITY – FISH SPECIES DATA: | ECOTOXICITY – FRESHWATER ALGAE DATA: | ECOTOXICITY – WATER FLEA DATA: |
|------------|----------------------------------|--------------------------------------|--------------------------------|
| Zinc oxide | No data. | No data. | No data. |

0.0045% of the mixture consists of component(s) of unknown hazards to the aquatic environment

PERSISTENCE AND DEGRADABILITY: No information available.

BIOACCUMULATION: No information available.

| COMPONENTS | OCTANOL/WATER PARTITION COEFFICIENT |
|------------|-------------------------------------|
| Zinc oxide | --- |

MOBILITY: No data available.

OZONE: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES/UNUSED PRODUCTS: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

CONTAMINATED PACKAGING: Do not re-use empty containers.

METHODS FOR CLEANING UP: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Not regulated.

TDG (CANADA)

UN NR: UN3077
PROPER SHIPPING NAME: Environmentally hazardous substance, solid, n.o.s. (contains zinc oxide)

SECTION 14: TRANSPORT INFORMATION (CONTINUED)

TDG HAZARD CLASSIFICATION: 9

PACKING GROUP: III

IMDG/IMO

UN NR: UN3077

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains zinc oxide)

CLASS: 9

PACKING GROUP: III

EMS: F-A ; S-F

LIMITED QUANTITY: 5 kg

MARINE POLLUTANT: Marine Pollutant

IATA/ICAO

UN NR: UN3077

PROPER SHIPPING NAME: Environmentally hazardous substance, solid, n.o.s. (contains zinc oxide)

HAZARD CLASS: 9

PACKING GROUP: III

MAXIMUM QUANTITY FOR CARGO ONLY: 450 kg

MAXIMUM QUANTITY FOR PASSENGER: 400 kg

LIMITED QUANTITY: 30 kg G

MARINE POLLUTANT: Marine Pollutant

SECTION 15: REGULATORY INFORMATION**FEDERAL REGULATIONS:**

OSHA HAZARD COMMUNICATION STANDARD: This product is considered to be hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA INFORMATION:

SARA (311/312) HAZARD CLASS: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes

Delayed Health (Chronic): No

Flammability: No

Pressure: No

Reactivity: No

| COMPONENTS | HAZARDOUS SUBSTANCES AND RQs | EXTREMELY HAZARDOUS SUBSTANCES AND TPQs | SARA 313 EMISSION REPORTING |
|------------|------------------------------|---|-----------------------------|
| Zinc oxide | Not listed. | Not listed. | 1.0 % |

CERCLA/SARA 313 EMISSION REPORTING: 12.95 % Zinc compounds (EPA ID E649699)

CLEAN AIR AND CLEAN WATER ACTS:

| COMPONENTS | HAZARDOUS AIR POLLUTANTS | CWA – HAZARDOUS SUBSTANCES | CWA – TOXIC POLLUTANTS | CWA – PRIORITY POLLUTANTS |
|------------|--------------------------|----------------------------|------------------------|---------------------------|
| Zinc oxide | Not listed. | Not listed. | Listed. | Not listed. |

U.S. STATE REGULATIONS (RTK):

| COMPONENTS | CALIFORNIA PROPOSITION 65 | PARTK | MI CRITICAL MATERIALS | NJRTK | MARTK |
|------------|---------------------------|-------------|-----------------------|-------|----------|
| Zinc oxide | Not listed. | Not listed. | 100 lb | 2037 | Present. |

CALIFORNIA PROP. 65

STATUS: May contain trace amounts of listed chemicals: silica

RCRA STATUS: Not regulated.

CANADIAN REGULATIONS

CANADA – WHMIS CLASSIFICATION INFORMATION: This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

CANADIAN PRODUCT CLASSIFICATION: None required.

PRODUCT CLASSIFICATION ---

GRAPHIC(S):

COMPONENT CLASSIFICATION DATA:

| COMPONENTS | WHMIS HAZARD CLASS | CEPA SCHEDULE I | CHALLENGE SUBSTANCES |
|------------|---|-----------------|----------------------|
| Zinc oxide | Uncontrolled product according to WHMIS classification criteria | Not listed. | Not listed. |

INVENTORY STATUS:

UNITED STATES TSCA – SECT. This product complies with TSCA.

8(b) INVENTORY:

CANADA DSL/NDSL This product complies with DSL.

INVENTORY LIST:

SECTION 16: OTHER INFORMATION

SOURCES OF KEY DATA USED TO COMPILE THE DATA SHEET: Material safety data sheets of the ingredients.

REVISION DATE: 05/21/2015

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

NOTICE TO THE READER:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.