

Conforms to HazCom 2012/United States

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

**PRODUCT IDENTIFIER(S)/ TRADEMARK(S)
USED ON THE LABEL:**

DIECO DIEMAKERS GREASE

Premium Die Pin Lubricant

OTHER MEANS OF IDENTIFICATION:

Product Code - 10525, 90244, 90243, 90242

Synonyms - Part# 40-1001 (tube), #40-1002 (pail), #40-1003
(cartridge)

APPLICATION

RECOMMENDED USE:

Lubricating Grease

USES ADVISED AGAINST:

For industrial use only.

SUPPLIER/MANUFACTURER

Supplier:

Producto/Dieco
30600 Aurora Rd., Ste. 160
Solon, Oh. 44139
(P) 800-237-1440
(F) 440-542-0250

Manufacturer:

Specialty Lubricants
8300 Corporate Park
Macedonia, Oh. 44056
(P) 800-238-5823
(F) 330-425-9637

EMERGENCY PHONE

CHEMTREC PHONE: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS 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

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

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

Chemical Name	CAS No.	Weight-%
Zinc Oxide	1314-13-2	5 - 10%
Naphthenic acids, zinc salts	12001-85-3	<1%
Residual oils, petroleum, solvent-refined	64742-01-4	20-30%
Mineral Oil	8012-95-1	40-50%

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.

Note to physician: Treat symptomatically.

Medical condition aggravated by exposure: Dermatitis.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or `alcohol` foam. Do not use water with full jet.

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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: See Section 10, Materials to Avoid

Safe storage temperature: 5-35 °C 5 - 35 °C

Shelf life: 2 years

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH Exposure Limits	OSHA TWA (Final)	NIOSH – Pocket Guide
Mineral oil	5 mg/m ³	5mg/m ³	5mg/m ³
Zinc oxide	2 mg/m ³ (TWA) 10 mg/m ³ (STEL)	5 mg/m ³ 15 mg/m ³	5 mg/m ³ 15 mg/m ³ 10 mg/m ³
Calcium carbonate (Limestone)	None Known	15 mg/m ³	5 mg/m ³ 10 mg/m ³

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: Handle in accordance with sound chemical hygiene practices. Wear the appropriate PPE. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke while using chemicals.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Grease
Appearance:	Cream
Odor:	Characteristic
Odor Threshold:	No information available.
pH concentrate:	NA
pH Dilution:	No information available
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 in water
Solubility in other solvents:	No information available.
Partition coefficient: n-octanol/water:	No information available
Autoignition 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:	No information available.

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.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Zinc Oxide	> 5000 mg/ kg (Rat) Oral LD50 Rat >5000 mg/ kg (Source: IUCLID)	-	-
Naphthenic acids, zinc salts	= 4920 mg/ kg (Rat) Oral LD50 Rat 4920 mg/kg(Source: NLM_CIP)	> 2000 mg/ kg (Rabbit) Dermal LD50 Rabbit >2000 mg/ kg (2% zinc naphthenate in mineral spirits; no deaths occurred, Source: CHEMVIEW)	> 11.6 mg/ L (Rat) 4 h Inhalation LC50 Rat >11.6 mg/ L 4 h (50% w/v suspension of fungitrol zinc 8% fungicide in mineral spirit; no deaths occurred, aerosol, Source: CHEMVIEW)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	IARC Carcinogens	NTP	OSHA - Select Carcinogens
Zinc Oxide	Not listed	Não listado	Não listado
Naphthenic acids, zinc salts	Not listed	Not listed	Not listed

Sensitization	No information available.
Mutagenic effects:	No information available.
Reproductive Toxicity	No information available.
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

Chemical Name	Toxicity to Fish	Daphnia Magna (Water Flea)	Toxicity to Algae
Zinc Oxide	320 ppm, 96 hr (Lepomis Macrochirus)	98 ug/L, 48 hr (Daphnia magna)	0.42 ug/L, 72 hr (Pseudokirchneriella subcapitata)
Naphthenic acids, zinc	No data	No data	No data

7.47% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Octanol/water partition coefficient
Zinc Oxide	-
Naphthenic acids, zinc salts	-

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):

Proper shipping name: Not regulated

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: See GHS Classification in Section 2 for hazard class information.

Chemical Name	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Zinc Oxide	Not listed	Not listed	1.0 %
Naphthenic acids, zinc salts	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 Pollutant	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Zinc oxide	Not Listed	Not Listed	Listed	Not Listed

U.S. STATE REGULATIONS (RTK)

Chemical Name	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Zinc Oxide	Not Listed	Environmental hazard	100 lb	2037 3012	Present
Naphthenic acids, zinc salts	Not Listed	Environmental hazard	100 lb	3012	Not Listed

California Proposition 65 Status: May contain trace amounts of listed chemicals: silica

CANADIAN REGULATIONS:

Chemical Name	CEPA Schedule I	Challenge Substances
Zinc Oxide	Not listed	Not listed
Naphthenic acids, zinc salts	Not listed	Not listed

INVENTORY STATUS:

United States TSCA Inventory:
Canada DSL/NDSL Inventory List

This product complies with TSCA
 This product complies with DSL

SECTION 16: OTHER INFORMATION

Sources of key data used to compile Material safety data sheets of the ingredients.
the data sheet:

Prepared by: Safety, Health and Environmental Department

Revision Date: 07.07.2020

Reason for revision: This data sheet contains changes from the previous version in section(s) 14.

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.