SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006, Regulation (EC) No. 1272/2008 and Regulation (EC) No. 2020/878

High Performance Grease

Revision date 22-sept-2026 **Supercedes date** 22-sept-2026 **Revision Number** 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name High Performance Grease

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Lubricating grease.
Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Rottne Industri AB
Fabriksvägen 12
SE-363 30 Rottne
Sweden
Telephone: +46 (0) 470 75 87 00

For further information, please contact
E-mail address
info@rottne.com

1.4. Emergency telephone number

Emergency Telephone +46 (0) 470 75 87 00 during working hours.

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

EU Specific Hazard Statements
EUH210 - Safety data sheet available on request

2.3. Other hazards

Causes mild skin irritation.

This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Chemical name	Weight-%	REACH registration number	CAS No.	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts	<2.5	01-2119521201-61	85940-28-9	288-917-4	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)	-	-	-

Ingredient comments This product is a anhydrous calciumgrease based on mineral oil with additives . The mineral oils in the product contain <3% DMSO-extract (IP 346).

Full text of H- and EUH-phrases: see section 16

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts 85940-28-9	3000	20000	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Move to fresh air in case of accidental inhalation of vapours.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

Ingestion Rinse mouth. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

Self-protection of the first aider No information available.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO2, dry chemical, dry sand, alcohol-resistant foam.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Fire may produce irritating, corrosive and/or toxic gases.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Extremely slippery when spilled.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Ensure adequate ventilation. Avoid contact with eyes and prolonged or repeated contact with skin.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Store at temperatures not exceeding 45 °C/ 113 °F.

7.3. Specific end use(s)

Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Biological occupational exposure limits	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.
Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available.

8.2. Exposure controls

Engineering controls	Eyewash stations. Ventilation systems.

Personal protective equipment



Hand protection	Wear suitable gloves tested to EN 374. Nitrile rubber. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.
Eye/face protection	No special protective equipment required. If splashes are likely to occur, wear safety glasses with side-shields.
Skin and body protection	No special protective equipment required.
Respiratory protection	None under normal use conditions. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Paste / Gel Liquid
Appearance	Semi-solid
Colour	yellow
Odour	No information available
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point		Not applicable
Initial boiling point and boiling range		Not applicable
Flammability		No information available
Flammability Limit in Air		No information available
Upper flammability or explosive limits	No data available	No information available
Lower flammability or explosive limits	No data available	No information available
Flash point	> 150 °C / > 302 °F	Based on base oils
Autoignition temperature		Not applicable
Decomposition temperature		No information available
pH		Not applicable
pH (as aqueous solution)		No information available
Kinematic viscosity	> 20.5 mm²/s	@ 40 °C
Dynamic viscosity	No data available	No information available
Water solubility	Insoluble in water	
Solubility(ies)		No information available
Partition coefficient	No data available	Not applicable
Vapour pressure		Not applicable
Relative density		No information available
Bulk density	No data available	
Liquid Density	Not applicable	
Relative vapour density	No data available	Not applicable
Particle characteristics		Not applicable
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

VOC content	Not applicable

9.2.1. Information with regards to physical hazard classes

Explosive properties	None under normal use conditions
Oxidising properties	No information available

9.2.2. Other safety characteristics

Evaporation rate	No information available

SECTION 10: Stability and reactivity

Reactivity

Reactivity Stable.

Chemical stability

Stability Stable under normal conditions.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation does not occur.

Conditions to avoid

Conditions to avoid Excessive heat.

Incompatible materials

Incompatible materials Strong oxidising agents.

Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

10.1. Reactivity

10.2. Chemical stability

Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Information on likely routes of exposure

Inhalation Not an expected route of exposure. Specific test data for the substance or mixture is not available.

Eye contact Not expected to cause eye irritation.

Skin contact Causes mild skin irritation.

Ingestion No known hazard by swallowing. May cause gastrointestinal discomfort if consumed in large amounts.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity
The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	4.498,00 mg/kg
ATEmix (dermal)	3.309,90 mg/kg

Unknown acute toxicity
0 % of the mixture consists of ingredient(s) of unknown toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphorodithioc acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts	= 3000 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Not considered to be harmful to aquatic life.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation Material does not bioaccumulate.

12.4. Mobility in soil

Mobility in soil After release, adsorbs onto soil.

Mobility Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Phosphorodithioc acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of contents/container to industrial incineration plant. Should not be released into the environment. Use personal protection recommended in Section 8.

Contaminated packaging Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV 13 08 99*.

SECTION 14: Transport information

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	None

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	None

ADR

14.1	UN number or ID number	Not regulated
14.2	UN proper shipping name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	None

IATA

14.1	UN number or ID number	Not regulated
14.2	UN proper shipping name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	None

ICAO (air)

14.1	UN number or ID number	Not regulated
14.2	UN proper shipping name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special Provisions	None

14.7 Maritime transport in bulk according to IMO instruments

No information available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (WGK) slightly hazardous to water (WGK 1)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants

Not applicable.

Export Notification requirements

Not applicable.

Dangerous substance category per Seveso Directive (2012/18/EU)

Non-controlled.

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
REACH	Complies
ENCS	-
IECSC	-

KECL	-
PICCS	-
AIIC	-
NZIoC	-
TSCI	-

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
REACH - Registration, Evaluation, Authorization, and Restriction of Chemicals Regulation (EC 1907/2006)
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals
TSCI - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Full text of H-Statements referred to under section 3
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects

Key or legend to abbreviations and acronyms used in the safety data sheet
EC - European Commission
CLP - EU Regulation on the Classification, Labelling and Packaging of Substances and Mixture
GHS - Globally Harmonized System of Classification and Labelling
EEC European Economic Community
EUH - European Hazard statement
CAS - Chemical Abstracts Service
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
LD50 Median Lethal Dose for 50% of subjects
WGK Wassergefährdungsklasse
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
RID - European Agreements Concerning the International Carriage of Dangerous Goods by Rail
IMDG - International Maritime Dangerous Goods
IATA - International Air Transport Association

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

Classification procedure
Calculation method
Bridging principle "Substantially similar mixtures"
Expert judgment and weight of evidence determination

Key literature references and sources for data used to compile the SDS
Acute Exposure Guideline Level(s) (AEGL(s))
Agency for Toxic Substances and Disease Registry (ATSDR)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
EPA (Environmental Protection Agency)
European Chemicals Agency
European Food Safety Authority (EFSA)

Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
NIOSH (National Institute for Occupational Safety and Health)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
U.S. Environmental Protection Agency ChemView Database
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
World Health Organization

Revision date	09-Jan-2024
Revision Note	SDS sections updated, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
Training Advice	None in particular. The information required is contained in this Safety Data Sheet.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet