SAFETY DATA SHEET

This safety data sheet complies with the requirements of:
Regulation of Labeling and Hazard Communication of Hazardous Chemicals

Product Name Scania grease

Issuing Date 26-Feb-2025 **Revision date** 26-Feb-2025 **Revision Number** 1

1. Identification

Product identifier

Product Name Scania grease

Other names

Product Code(s) 2858762

Synonyms None

UN number or ID number UN3077

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Recommended use Engine oil
For professional use only

Uses advised against No information available

Manufacturer, importer or supplier name, address and telephone number

Supplier
Scania CV AB
151 87 Sodertalje
Sweden
TEL: +46855381000

E-mail address sds@scania.com

Emergency telephone number

Emergency Telephone +46855381000 Office Hours: 8:00 - 1700

2. Hazard(s) identification

Chemical hazard classification

Acute toxicity - Oral	Category 5
Hazardous to the aquatic environment - chronic	Category 2

Label elements

Signal word
Warning

Hazard statements
May be harmful if swallowed
Toxic to aquatic life with long lasting effects

Precautionary statements
Precautionary Statements - Prevention
Avoid release to the environment

Precautionary Statements - Response
Call a POISON CENTER or doctor/physician if you feel unwell
Collect spillage
Precautionary Statements - Disposal
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable

Other hazards
No information available.

3. Composition/information on ingredients

Substance
Not applicable.

Mixture

Chemical name	English chemical name	CAS No.	Weight-%
Distillates, petroleum, hydrotreated heavy naphthenic	Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	20 - 30
Nonanedioic acid, dilithium salt	Nonanedioic acid, dilithium salt	38900-29-7	1 - 5
Phosphorothioic acid, O,O,O-triphenyl ester	Phosphorothioic acid, O,O,O-triphenyl ester	597-82-0	1 - < 2.5

4. First-aid measures

Different exposure routes and first aid procedures

Inhalation Remove to fresh air.

Skin contact Wash skin with soap and water. Get medical attention if symptoms occur.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Most important symptoms and effects

Symptoms	None known.
Effects of Exposure	See Section 11 for additional Toxicological Information.
Self-protection of the first aider	No information available.
Note to physicians	Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media

Suitable Extinguishing Media	Dry chemical, CO2, alcohol-resistant foam or water spray.
Unsuitable extinguishing media	High volume water jet.
Specific hazards arising from the chemical	None known.
Hazardous combustion products	Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur. Phosphorus oxides. Metal oxides.
Specific/special fire-fighting measures	Fires need to be assessed to determine appropriate protocols and safety measures for firefighting, including establishing safe zones, extinguishing media to be used, firefighter protection, and actions to control or extinguish the fire.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions	Ensure adequate ventilation. Evacuate personnel to safe areas. Do not breathe vapor or mist. Avoid contact with skin and eyes. Use personal protective equipment as required.
For emergency responders	Use personal protection recommended in Section 8.
Environmental precautions	Should not be released into the environment. Do not allow to enter into soil/subsoil. Keep out of drains, sewers, ditches and waterways. Do not allow material to contaminate ground water system.
Methods for cleaning up	Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Use personal protection equipment.
Storage	Keep in a dry, cool and well-ventilated place. Keep/store only in original container. Keep container closed when not in use. Keep in properly labeled containers. Store in accordance with local regulations. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Incompatible materials None known based on information supplied.

8. Exposure controls/personal protection

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Control Parameters

Occupational exposure limits

Chemical name	Taiwan	ACGIH TLV
Distillates, petroleum, hydrotreated heavy naphthenic 64742-52-5	TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 5 mg/m³ inhalable particulate matter excluding metal working fluids, highly & severely refined

Biological limit value This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Personal protective equipment

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Nitrile rubber. Repeated or prolonged contact: The breakthrough time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

Skin and body protection Wear suitable protective clothing.

Hygiene Measures Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

9. Physical and chemical properties

Appearance Beige, paste
Physical state Solid
Color Beige
Odor Characteristic
Odor threshold No information available

Property	Values	Remarks • Method
pH value		Not applicable
Melting point		No data available
Boiling point / boiling range		No data available
Flash point		Not applicable
Evaporation rate		No data available
Flammability (solid, gas)		No data available
Explosive limits		
Upper explosion limit		No data available
Lower explosion limit		No data available
Vapor pressure	< 0,001 hPa	@ 20 °C
Vapor density		No data available
Density	0.85 g/cm3	@20°C
Water solubility	Insoluble	

Solubility		No data available
Partition coefficient n-octanol /water (log KOW)		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		No data available
Kinematic viscosity	> 20.5 mm²/s	@ 40 °C
Dynamic viscosity		No data available

Other information

Molecular weight	No information available
VOC content	No information available
Softening point	No information available
Pour Point	-45 °C

Information with regard to physical hazard classes

Explosive properties	Not an explosive
Oxidizing properties	No information available

10. Stability and reactivity

Stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Reactivity No information available.

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Conditions to avoid None known based on information supplied.

Incompatible materials None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available. May be harmful if swallowed.

Symptoms None known.

Acute toxicity May be harmful if swallowed.

Numerical measures of toxicity - Product Information

The following ATE values have been calculated for the mixture

ATEmix (oral)	3,099 mg/kg
ATEmix (dermal)	> 5,000 mg/kg

Unknown acute toxicity

73 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates, petroleum, hydrotreated heavy naphthenic	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Phosphorothioic acid, O,O,O-triphenyl ester	-	> 2000 mg/kg (Rat)	-

Chronic (long-term) toxicity

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity The classification listed below for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.

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

Chemical name	IARC
Distillates, petroleum, hydrotreated heavy naphthenic	Group 1

Legend

IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Other adverse effects No information available.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Distillates, petroleum, hydrotreated heavy naphthenic	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)

Nonanedioic acid, dilithium salt	-	LC50: >100mg/L (96h, Oncorhynchus mykiss)	-	EC50: >100mg/L (48h, Daphnia magna)
Phosphorothioic acid, O,O,O-triphenyl ester	-	LC50: >100mg/L (96h, Danio rerio)	-	-

Persistence and degradability No information available.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Nonanedioic acid, dilithium salt	-3.3
Phosphorothioic acid, O,O,O-triphenyl ester	5

Mobility in soil

Other adverse effects No information available.

13. Disposal considerations

Disposal methods Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not reuse empty containers.

14. Transport information

IMDG

UN number or ID number UN3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s.
Technical Name Phosphorothioic acid, O,O,O-triphenyl ester
Transport hazard class(es) 9
Packing group III
Marine pollutant indicator P
Marine pollutant name { TCODE="MPM"} : { COMP="'597-82-0','SCA-597820R'"}
Special Provisions 274, 335, 966, 967, 969
EmS-No. F-A, S-F
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Phosphorothioic acid, O,O,O-triphenyl ester), 9, III, Marine pollutant

IATA

UN number or ID number UN3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s.
Technical Name Phosphorothioic acid, O,O,O-triphenyl ester
Transport hazard class(es) 9
Packing group III
Environmental hazards Yes
Special Provisions A97, A158, A179, A197, A215
ERG Code 9L
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Phosphorothioic acid, O,O,O-triphenyl ester), 9, III

Special shipping methods and precautions

Special precautions for user Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

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

National regulations
See section 8 for national exposure control parameters

Applicable regulations:

Existing Chemical Substances Subject to Standard Registration

Chemical name	Standard Registration
Phosphorothioic acid, O,O,O-triphenyl ester	Present

Regulations for the Labeling and Hazard Communication of Hazardous Chemicals Applicable

Hazardous Chemicals Assessment and Risk Ranking Management Applicable

International Inventories

TCSI	Contact supplier for inventory compliance status.
TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AIIC	Contact supplier for inventory compliance status.
NZIoC	Contact supplier for inventory compliance status.

Legend:
TCSI - Taiwan Chemical Substance Inventory
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
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing Chemicals Inventory
IECSC - China Inventory of Existing Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

SDS authoring company

Name	Address	Telephone
Author	**Job title**	**Name (Signature)**
Authoring date 26-Feb-2025	**Revision date** 26-Feb-2025	

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	Environmental Protection Agency
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organization for Standardization
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)

SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Reason for revision Initial Release.

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