SAFETY DATA SHEET

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

1. Identification

A. Product identifier

Product Name Scania grease

Synonyms None.

Product Code(s) 2858762

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

Recommended use Engine oil
For professional use only

Uses advised against No information available

C. Supplier's details

Importer
Scania Korea Seoul Co., Ltd.
Construction Hall, 14th Floor, 711,
Yeongno-ro, Gangnam-gu,
Nonhyeon-dong
Seoul, Korea 06050
TEL: +82 2 3218 0865
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Supplier
Scania CV AB
151 87 Sodertalje
Sweden
TEL: +46855381000

For further information, please contact

E-mail address sds@scania.com

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2. Hazard(s) identification

A. Classification of the substance or mixture

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

B. GHS Label elements, including precautionary statements

Hazard symbols

Signal word Warning

Hazard statements
H303 - May be harmful if swallowed
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention
P273 - Avoid release to the environment

Precautionary Statements - Response
P312 - Call a POISON CENTER or doctor/physician if you feel unwell
P391 - Collect spillage

Precautionary Statements - Disposal
P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable

C. Other hazards which do not result in classification
No information available.

3. Composition/information on ingredients

Mixture

Chemical name	Common name and synonyms	CAS No.	Other identifier number	Weight-%	Approval number	Expiration date
1-Decene, homopolymer, hydrogenated	No information available	68037-01-4	KE-09505	60 - 70	-	-
Distillates, petroleum, hydrotreated heavy naphthenic	No information available	64742-52-5	KE-12543	20 - 30	-	-
Octadecanoic acid, 12-hydroxy-, monolithium salt	No information available	7620-77-1	KE-20761	5 - 10	-	-
Nonanedioic acid, dilithium salt	No information available	38900-29-7	2001-3-1960	1 - 5	-	-
Benzenamine, 4-(1,1,3,3-tetramethylbutyl)-N-[4-(1,1,3,3-tetramethylbutyl)phenyl]-	No information available	15721-78-5	No information available	1 - 2.5	-	-
Phosphorothioic acid, O,O,O-triphenyl ester	No information available	597-82-0	KE-28695	1 - < 2.5	-	-
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	No information available	80939-62-4	KE-01123	0.1 - < 1	-	-

4. First-aid measures

A. In case of eye contact
Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.

B. In case of skin contact
Wash skin with soap and water. Get medical attention if symptoms occur.

C. In case of inhalation
Remove to fresh air.

D. In case of ingestion
Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

E. Indication of immediate medical attention and special treatment needed, if necessary

Note to physicians Treat symptomatically.

Symptoms None known.

Effects of Exposure See Section 11 for additional Toxicological Information.

5. Fire-fighting measures

A. Suitable (and unsuitable) extinguishing media

Suitable Extinguishing Media Dry chemical, CO2, alcohol-resistant foam or water spray.

Unsuitable extinguishing media High volume water jet.

B. Specific hazards arising from the chemical
None known.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur. Phosphorus oxides. Metal oxides.

C. Special Protective Equipment for Firefighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures

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.

B. 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.

C. 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 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

A. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Use personal protection equipment.

B. Conditions for safe storage, including any incompatibilities

Storage Conditions 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.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

8. Exposure controls/personal protection

A. Control Parameters

Occupational exposure limits

Chemical name	OEL	PEL	ACGIH TLV
Distillates, petroleum, hydrotreated heavy naphthenic	No data	No data	TWA: 5 mg/m³ inhalable particulate matter excluding metal working fluids, highly & severely refined

B. Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

C. 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 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.

Body protection Wear suitable protective clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

A Appearance	Beige, paste	
Physical State	Solid	
Color	Beige	
B Odor	Characteristic	
C Odor threshold	No information available	

Property	**Values**	**Remarks • Method**
D pH		Not applicable
E Melting point / freezing point		No data available

F Initial boiling point and boiling range		No data available
G Flash point		Not applicable
H Evaporation rate		No data available
I Flammability		Combustible solid
J Upper/lower flammability or explosive limits		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
K Vapor pressure	< 0,001 hPa	@ 20 °C
L Solubility(ies)		
Water solubility	Insoluble	
Solubility in other solvents		No data available
M Relative vapor density		No data available
N Specific Gravity	0.85 g/cm3	@20°C
Bulk density		No data available
Liquid Density		No data available
O Partition coefficient: n-octanol/water		No data available
P Autoignition Point		No data available
Q Decomposition temperature		No data available
SADT (°C)		No data available
R Viscosity		
Kinematic viscosity	> 20.5 mm²/s	@ 40 °C
Dynamic viscosity		No data available
S Molecular weight		No data available

Other information

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

A. Chemical stability and possibility of hazardous reactions

Stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

B. Conditions to avoid
None known based on information supplied.

C. Incompatible materials
None known based on information supplied.

D. Hazardous decomposition products None known based on information supplied.

11. Toxicological information

A. Information on the likely routes of exposure

Product Information

Inhalation 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.

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.

Symptoms None known.

B. Health hazards information

Acute toxicity May be harmful if swallowed.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture
ATEmix (oral) 3,009 mg/kg
ATEmix (dermal) > 5,000 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1-Decene, homopolymer, hydrogenated	-	-	> 5.2 mg/L (Rat) 4 h
Distillates, petroleum, hydrotreated heavy naphthenic	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Octadecanoic acid, 12-hydroxy-, monolithium salt	-	> 3000 mg/kg (Rabbit)	-
Benzenamine, 4-(1,1,3,3-tetramethylbutyl)-N-[4-(1,1,3,3-tetramethylbutyl)phenyl]-	-	> 2000 mg/kg (Rat)	-
Phosphorothioic acid, O,O,O-triphenyl ester	-	> 2000 mg/kg (Rat)	-
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	-	> 2000 mg/kg (Rat)	-

Skin corrosion/irritation No information available.

Serious eye damage/irritation No information available.

Respiratory or skin sensitization 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

Germ cell mutagenicity No information available.

Reproductive toxicity No information available.

Specific target organ toxicity (STOT) - single exposure No information available.

Specific target organ toxicity (STOT) - repeated exposure No information available.

Target organ effects No information available.

Aspiration hazard No information available.

12. Ecological information

A. 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)	-	-

B. Persistence and degradability No information available.

C. Bioaccumulative potential

Component Information

Chemical name	Partition coefficient
1-Decene, homopolymer, hydrogenated	6.5
Nonanedioic acid, dilithium salt	-3.3
Benzenamine, 4-(1,1,3,3-tetramethylbutyl)-N-[4-(1,1,3,3-tetramethylbutyl)phenyl]-	8.8
Phosphorothioic acid, O,O,O-triphenyl ester	5

D. Mobility in soil No information available.

E. Other adverse effects No information available.

13. Disposal considerations

A. Disposal methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

B. Disposal considerations

Contaminated packaging	Do not reuse empty containers.

14. Transport information

A. UN number or ID number	UN3077
B. UN proper shipping name	Environmentally hazardous substance, solid, n.o.s.
C. Transport hazard class(es)	9
D. Packing group	III
E. Marine pollutant	Not applicable
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
F. Special precautions for user	Not regulated

15. Regulatory information

A. Industrial Safety and Health Law Not applicable

Prohibited substance Not applicable

Substances Requiring Permission Not applicable

Harmful substances subject to control Not applicable

Harmful agents subject to work environment monitoring Not applicable

Harmful agents subject to workers requiring health examination Not applicable

Harmful or dangerous substances subject to submission of process safety reports Not applicable.

B. Chemicals Control Act Not applicable

Chemicals Control Act (CCA) - Accident Precaution Chemicals Not applicable
Act on Registration, Evaluation, etc. of Chemicals (K-REACH) Not applicable

C. Safety Control of Dangerous Substances Act Not applicable

D. Wastes Management Dispose of waste in accordance with environmental legislation.

E. Other Regulations No information available

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

International Inventories

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.
TCSI	Contact supplier for inventory compliance status.

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

16. Other information

A. Information source and references

Prepared By No information available.

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
MSDS	Material Safety Data Sheet
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
Sen+	Sensitizer
Sk*	Skin designation
**	Hazard Designation

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

B. Issuing Date 26-Feb-2025

C. Revision number and date

Revision Number	1
Revision Note	Initial Release.
Revision date	26-Feb-2025

D. Other .

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