

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : SINTONO TERRA SK-RE 1
Revision date : 15.02.2023
Print date : 15.02.2023

Version (Revision) : 2.2.0 (2.0.0)

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

1.1 Product identifier

SINTONO TERRA SK-RE 1

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

Relevant identified uses

Product Categories [PC]

PC24 - Lubricants, greases, release products

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Lubricant Consult GmbH

Street : Gutenbergstraße 13

Postal code/city : 63477 MAINTAL (GERMANY)

Telephone : +49 6109/7650-0

Telefax : +49 6109/7650-51

E-mail : msds-request@lubcon.com

Information contact : Environment, Health & Safety: Dr. Rüdiger Hofmann

US Distributor
Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426
(708) 333-8900
(800) 255-3924 24 hrs
Emergency

1.4 Emergency telephone number

+49 6109/7650-0

Monday to Friday 8:00 AM to 4:00 PM (CET)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

EUH210

Safety data sheet available on request.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Propylene carbonate ; REACH registration No. : 01-2119537232-48-xxxx ; EC No. : 203-572-1; CAS No. : 108-32-7

Weight fraction : $\geq 1 - < 5\%$

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Further ingredients

Ester oil

Inorganic solid compounds

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Additives not to declare

Additional information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. Wash immediately with: Water and soap In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam. Carbon dioxide (CO₂). Dry extinguishing powder. ABC-powder. BC-powder. Sand. Water spray jet.

Unsuitable extinguishing media

Water. Strong water jet. High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon monoxide (CO). Carbon dioxide (CO₂). Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous combustion products:

Do not breathe gas/fumes/vapour/spray. Gases/vapours, harmful.

5.3 Advice for firefighters

Use suitable breathing apparatus.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

Special danger of slipping by leaking/spilling product.

6.1 Personal precautions, protective equipment and emergency procedures

None

6.2 Environmental precautions

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None

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Universal binder. Kieselguhr.

6.4 Reference to other sections

None

SECTION 7: Handling and storage



7.1 Precautions for safe handling

Protective measures

It is recommended to design all work processes always so that the following is excluded: Generation/formation of mist. Avoid: Inhalation of vapours or spray/mists. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class : 11

Storage class (TRGS 510) : 11

Keep away from

Food and feedingstuffs

Further information on storage conditions

Keep/Store only in original container. Keep container tightly closed. Protect against UV-radiation/sunlight. Humidity. Contact with air/oxygen. Dust deposits.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type :	DNEL Consumer (local) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 10 mg/m ³
Limit value type :	DNEL Consumer (systemic) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route :	Dermal
Exposure frequency :	Long-term (repeated)
Limit value :	= 10 mg/kg
Limit value type :	DNEL Consumer (systemic) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route :	Inhalation
Exposure frequency :	Long-term (repeated)
Limit value :	= 17,4 mg/m ³
Limit value type :	DNEL Consumer (systemic) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route :	Oral
Exposure frequency :	Long-term (repeated)

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Limit value : = 10 mg/kg
Limit value type : DNEL worker (local) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : = 20 mg/m³
Limit value type : DNEL worker (systemic) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : = 20 mg/kg
Limit value type : DNEL worker (systemic) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : = 70,56 mg/m³

PNEC

Limit value type : PNEC (Aquatic, freshwater) (Propylene carbonate ; CAS No. : 108-32-7)
Limit value : = 0,9 mg/kg
Limit value type : PNEC (Aquatic, intermittent release) (Propylene carbonate ; CAS No. : 108-32-7)
Limit value : = 9 mg/l
Limit value type : PNEC (Aquatic, marine water) (Propylene carbonate ; CAS No. : 108-32-7)
Limit value : = 0,09 mg/l
Limit value type : PNEC Soil (Propylene carbonate ; CAS No. : 108-32-7)
Limit value : = 0,81 mg/kg
Limit value type : PNEC (Sewage treatment plant) (Propylene carbonate ; CAS No. : 108-32-7)
Limit value : = 7400 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye protection: not required. Avoid: Eye contact.

Recommended eye protection articles

DIN EN 166

Skin protection

Hand protection

Hand protection is not required

By long-term hand contact : Wear suitable gloves.

Suitable material : NBR (Nitrile rubber). BR (Butyl caoutchouc, butyl rubber).

Recommended glove articles : EN ISO 374; DIN EN 420

Respiratory protection

No special measures are necessary. Avoid: Inhalation of vapours or spray/mists

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : light brown

Safety relevant basis data

Physical state :			pasty
Initial boiling point and boiling range :	(1013 hPa)	>	300 °C
Decomposition temperature :	(1013 hPa)	>	250 °C
Flash point :	(1013 hPa)	>	250 °C
Vapour pressure :	(50 °C)	=	0,1 hPa
Density :	(20 °C)	=	0,97 g/cm ³

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9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Oxidising agent, strong. Acid, concentrated. Alkali (lye), concentrated.

10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO₂). carbon black. Gases/vapours, harmful.

SECTION 11: Toxicological information

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

By analogy:

Acute effects

Acute oral toxicity

Parameter : LD50
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

Acute dermal toxicity

Parameter : LD50
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg

Irritant and corrosive effects

Primary irritation to the skin

Parameter : Primary irritation to the skin (Propylene carbonate ; CAS No. : 108-32-7)
Result : Not an irritant

Irritation to eyes

Parameter : Irritation to eyes (Propylene carbonate ; CAS No. : 108-32-7)
Result : Irritant

Sensitisation

In case of skin contact

Parameter : Skin sensitisation (Propylene carbonate ; CAS No. : 108-32-7)
Result : Not sensitising.

Repeated dose toxicity (subacute, subchronic, chronic)

Subacute oral toxicity

Parameter : Discriminating dose (DD) (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : Oral
Species : Rat

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Effective dose : > 5000 mg/kg
Exposure time : 6 h
Method : OECD 413

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Parameter : Carcinogenicity (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : Dermal
Species : Mouse
Effective dose : 1500 - 2000 mg/kg
Exposure time : 728 d
Test result : Negative.
Method : OECD 451

Germ cell mutagenicity

Genotoxicity

Parameter : Genotoxicity (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : In vitro mutagenicity
Effective dose : = 0,05 g
Test result : Negative.
Method : OECD 471 (Ames test)
Parameter : Genotoxicity (Propylene carbonate ; CAS No. : 108-32-7)
Test result : Negative.
Method : OECD 482
Parameter : Genotoxicity (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : In vivo mutagenicity
Effective dose : = 1666 mg/kg
Test result : Negative.
Method : OECD 474

Reproductive toxicity

Developmental toxicity/teratogenicity

One generation reproduction toxicity test

Parameter : One generation reproduction toxicity test (Propylene carbonate ; CAS No. : 108-32-7)
Exposure route : Oral
Species : Rat
Test result : Negative.
Method : OECD 414

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

By analogy:

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50
Species : Acute (short-term) fish toxicity
Effective dose : > 100 mg/l
Harmless to fish up to the concentration tested.

Acute (short-term) daphnia toxicity

Parameter : EC50
Species : Acute (short-term) daphnia toxicity

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Effective dose : > 100 mg/l
Harmless to daphnia up to the tested concentration.

Acute (short-term) algae toxicity

Parameter : EC50
Species : Acute (short-term) algae toxicity
Effective dose : > 100 mg/l
Harmless to algae up to the concentration tested.

Bacteria toxicity

Parameter : EC50 (Propylene carbonate ; CAS No. : 108-32-7)
Species : Pseudomonas putida
Evaluation parameter : Bacteria toxicity
Effective dose : = 25619 mg/l
Exposure time : 72 h
Method : DIN 38412 / part 8

12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

Biodegradation

Parameter : BOD (% of COD)
Evaluation parameter : Aerobic
Effective dose : > 60 %
Exposure time : 28 d
Evaluation : Readily biodegradable (according to OECD criteria).
Method : OECD 301D

12.3 Bioaccumulative potential

Parameter : Partition coefficient n-octanol /water (log P O/W) (Propylene carbonate ; CAS No. : 108-32-7)
Concentration : = -0,5

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

Endocrine disrupting potential: None known.

12.7 Other adverse effects

This product does not contain nanoparticles.

12.8 Overall evaluation

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

SECTION 13: Disposal considerations

Dispose according to legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.1 Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. Collect the waste separately. Evidence for disposal must be provided.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

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12 01 12 - Spent waxes and fats

SECTION 14: Transport information

14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

SECTION 15: Regulatory information

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

National regulations

Restrictions of occupation

Not relevant

Störfallverordnung

Not subject to StörfallVO.

Emission control act (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 1 %

Water hazard class (WGK)

Class : (awg) Hazardous to water in general. Classification according to AwSV

Other regulations, restrictions and prohibition regulations

Switzerland

VOCV-Regulation

Volatile organic compounds (VOC) content in percent by weight : 0 %

Additional information

TSCA (Toxic Substances Control Act) - USA, United States of America

All chemical substances in this mixture are included on or are exempted from listing on the TSCA Inventory for Chemical Substances.

California Proposition 65 - State of California

Based on available information this product does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65.

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

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16.1 Indication of changes

02. Label elements · 03. Hazardous ingredients · 13. Waste codes/waste designations according to EWC/AVV · 15. National regulations

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The statement is derived from the properties of the single components.

16.5 Relevant H- and EUH-phrases (Number and full text)

H319 Causes serious eye irritation.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.