

SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: GLEITMO WSP 5000

Other means of identification: For further information, please refer to section 9 of the SDS.

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

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier	FUCHS LUBRICANTS GERMANY GmbH Friesenheimer Str. 19 68169 Mannheim
Telephone:	+49 621 3701-0 (ZENTRALE)
Fax:	+49 621 3701-570

Contact for request of safety data sheets

E-mail:	Automotive lubricants	CS.Services-FLG@fuchs.com
	Industrial lubricants	
Telephone:	+49 621 3701-0 (ZENTRALE)	

Informing department for safety data sheets

E-mail: produktsicherheit-FLG@fuchs.com

1.4 US contact telephone :	708-333-8900
Emergency telephone:	800-255-3924

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

Health Hazards

Serious Eye Damage/Eye Irritation	Category 1
Toxic to reproduction	Category 2
Specific Target Organ Toxicity - Repeated Exposure	Category 2

Environmental Hazards

Chronic hazards to the aquatic environment	Category 3
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Product name: GLEITMO WSP 5000

Hazard summary**Physical Hazards:** No data available.**2.2 Label Elements****Signal Words:** Danger**Hazard Statement(s):** H318: Causes serious eye damage.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.**Precautionary Statements**

Prevention: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P273: Avoid release to the environment.
P281: Use personal protective equipment as required.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.

Storage: P405: Store locked up.

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards: The product may not be released into the environment without control. By handling of chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

Unknown toxicity: Due to information available product does not contain any ingredients of unknown toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Product name: GLEITMO WSP 5000

General information: Mixture of the substances listed below with harmless additions.

Chemical name	Identifier	Concentration *	Notes
Calcium Sulfonate	68584-23-6	1.00 - <5.00%	
Ca-sulfonate	84989-14-0	3.00 - <5.00%	
Lime hydrate	1305-62-0	1.00 - <3.00%	
Triazine derivative	37640-57-6	1.00 - <3.00%	
Zinc borate	12767-90-7	1.00 - <2.50%	
Calcium Sulfonate	61789-86-4	1.00 - <5.00%	
Ca Sulfonate	70024-69-0	1.00 - <5.00%	
Na-Sebacat	17265-14-4	1.00 - <5.00%	
Triaryl phosphate, alkylated	68937-40-6	0.10 - <1.00%	
inorganic Zink salt	7446-26-6	0.25 - <1.00%	
phenolic antioxidant	128-37-0	0.25 - <1.00%	
Amine aromatic , alkylated	68411-46-1	0.10 - <1.00%	
Zn compound	1314-13-2	0.10 - <0.25%	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Calcium Sulfonate	68584-23-6	Skin Sens. 1B;H317
Ca-sulfonate	84989-14-0	Eye Dam. 1;H318, Skin Irrit. 2;H315, Aquatic Chronic 3;H412
Lime hydrate	1305-62-0	Eye Dam. 1;H318, STOT SE 3;H335, Skin Irrit. 2;H315
Triazine derivative	37640-57-6	, STOT RE 2;H373, Repr. 2;H361f
Zinc borate	12767-90-7	Repr. 2;H361d, Aquatic Acute 1;H400, Aquatic Chronic 2;H411
Calcium Sulfonate	61789-86-4	Skin Sens. 1B;H317
Ca Sulfonate	70024-69-0	Skin Sens. 1B;H317
Na-Sebacat	17265-14-4	Eye Irrit. 2;H319
Triaryl phosphate, alkylated	68937-40-6	Aquatic Acute 1;H400, Aquatic Chronic 2;H411; M-Factor (aquatic acute): 1; M-Factor (aquatic chronic): 1
inorganic Zink salt	7446-26-6	Aquatic Chronic 1;H410, Aquatic Acute 1;H400
phenolic antioxidant	128-37-0	Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 1; M-Factor (aquatic chronic): 1
Amine aromatic , alkylated	68411-46-1	Repr. 2;H361f, Aquatic Chronic 3;H412
Zn compound	1314-13-2	Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 1; M-Factor (aquatic chronic): 1

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Nota L/ Nota N of Annex VI of Regulation EC 1272/2008."

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4 FIRST AID MEASURES

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: Risk of serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment needed Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire-fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: In case of spills, beware of slippery floors and surfaces.

6.2 Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

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| 6.3 Methods and material for containment and cleaning up: | Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations. |
| 6.4 Reference to other sections: | See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal. |

SECTION 7: Handling and storage:

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| 7.1 Precautions for safe handling: | Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. |
| 7.2 Conditions for safe storage, including any incompatibilities: | Local regulations concerning handling and storage of waterpolluting products have to be followed. |
| 7.3 Specific end use(s): | Not applicable |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.Exposure Limits

None of the components have assigned exposure limits.

8.2.Exposure controls

Appropriate engineering controls: Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information: Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to inhandling the chemicals or the mineral oil products.

Eyeface protection: Wear eye protection/face protection. Avoid contact with skin and eyes.

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Skin protection**Hand Protection:**

Material: Nitrile butyl rubber (NBR).
Min. Breakthrough time: ≥ 480 min
Recommended thickness of the material: ≥ 0.38 mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

Not relevant, due to the form of the product.

Thermal hazards:

No data available.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls:

No data available.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	solid
Form:	Paste
Color:	Light brown
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	substance/mixture is non-soluble (in water)
Drop Point:	Not applicable for mixtures
Boiling Point:	Value not relevant for classification
Flash Point:	Not applicable
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)—:	Not applicable for mixtures
Flammability Limit - Lower (%)—:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Relative vapor density:	Not applicable for mixtures
Density:	1.10 g/cm ³ (15 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures

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Auto-ignition temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
NLGI:	2
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid heat or contamination.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	Causes serious eye damage.

Acute toxicity

Oral

Product:	ATEmix: 100,000 mg/kg
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Specified substance(s)

Calcium Sulfonate	LD 50 (Rat): > 5,001 mg/kg
Lime hydrate	LD 50 (Rat): 7,340 mg/kg
Triazine derivative	LD 50 (Rat): 2,500 mg/kg
Calcium Sulfonate	LD 50 (Rat): > 16,000 mg/kg
Ca Sulfonate	LD 50 (Rat): > 5,000 mg/kg (OECD 401)
Triaryl phosphate, alkylated	LD 50 (Rat): > 5,001 mg/kg
phenolic antioxidant	LD 50 (Rat): > 2,930 mg/kg (OECD 401)
Amine aromatic , alkylated	LD 50 (Rat): > 5,000 mg/kg (OECD 401)
Zn compound	LD 50 (Rat): > 15,000 mg/kg

Dermal**Product:**

Not classified for acute toxicity based on available data.

Specified substance(s)

Calcium Sulfonate	LD 50 (Rabbit): > 5,001 mg/kg
Ca-sulfonate	(OECD 402) Based on available data, the classification criteria are not met.
Triazine derivative	LD 50 (Rat): 5,520 mg/kg
Calcium Sulfonate	LD 50 (Rat): > 5,001 mg/kg
Ca Sulfonate	LD 50 (Rabbit): > 5,000 mg/kg (OECD 402)
phenolic antioxidant	LD 50 (Rat): > 5,000 mg/kg (OECD 402)

Inhalation**Product:**

Not classified for acute toxicity based on available data.

Specified substance(s)

Ca-sulfonate	No data available.
Triaryl phosphate, alkylated	Based on available data, the classification criteria are not met.
Zn compound	LC 50 (Rat, 4 h): 5.7 mg/l

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Skin Corrosion/Irritation:

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

Specified substance(s)

Calcium Sulfonate OECD 404 (Rabbit): Not irritant.

Ca-sulfonate OECD 404 Slightly irritating.

Calcium Sulfonate OECD 404 (Rabbit): Not irritant.

Ca Sulfonate OECD 404 (Rabbit): Not irritant.

Serious Eye Damage/Eye Irritation:

Product: Based on available data, the classification criteria are met.

Specified substance(s)

Calcium Sulfonate OECD 405 (Rabbit): Not irritant.

Ca-sulfonate OECD 405 May cause burns.

Amine aromatic ,
alkylated OECD 405 (Rabbit): Not irritant.

Respiratory or Skin Sensitization:

Product: Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: Based on available data, the classification criteria are not met.

Specified substance(s)

Calcium Sulfonate May cause sensitization by skin contact.

Ca-sulfonate , OECD 406-1 (Guinea Pig)Based on available data, the classification criteria are not met.

Calcium Sulfonate May cause sensitization by skin contact.

Ca Sulfonate May cause sensitization by skin contact.

phenolic antioxidant No sensitizing effect (guinea pig); OECD 406

Amine aromatic ,
alkylated No sensitizing effect (guinea pig); OECD 406

Germ Cell Mutagenicity

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

In vitro**Specified substance(s)**

Ca-sulfonate (OECD 471)
Based on available data, the classification criteria are not met.

Carcinogenicity

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

IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

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NTP: US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

OSHASp: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Reproductive toxicity**Product:** Based on available data, the classification criteria are met.**Specific Target Organ Toxicity - Single Exposure****Product:** Based on available data, the classification criteria are not met.**Specific Target Organ Toxicity - Repeated Exposure****Product:** Based on available data, the classification criteria are met.**Aspiration Hazard****Product:** Based on available data, the classification criteria are not met.

12	ECOLOGICAL INFORMATION
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General information: Not applicable Not applicable**12.1 Toxicity****Acute toxicity****Product:** Based on available data, the classification criteria are not met.**Fish****Specified substance(s)**

Calcium Sulfonate LL 50 (Cyprinodon variegatus, 96 h): > 10,000 mg/l (OECD 203)

Ca-sulfonate LL 50 (Fish, 96 h): > 1 mg/l (OECD 203)
LL 50 (Fish, 96 h): < 10 mg/l (OECD 203)

Lime hydrate LC 50 (Fish, 96 h): 50.6 mg/l (OECD 203)

Triazine derivative LC 50 (Fish, 96 h): > 100 mg/l

Calcium Sulfonate LC 50 (Fish, 96 h): > 10,000 mg/l (OECD 203)

Ca Sulfonate LC 50 (Fish, 96 h): > 1,001 mg/l (OECD 203)

Na-Sebacat LC 50 (Fish, 96 h): > 101 mg/l

Triaryl phosphate, alkylated LC 50 (Fish, 96 h): 0.8 mg/l

Amine aromatic , alkylated LC 50 (Fish, 96 h): > 100 mg/l (OECD 203)

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Aquatic Invertebrates**Specified substance(s)**

Calcium Sulfonate	EL50 (Daphnia magna, 48 h): > 1,000 mg/l
Ca-sulfonate	LL 50 (Water Flea, 48 h): 2.9 mg/l (OECD 202)
Lime hydrate	EC 50 (Water Flea, 48 h): 49.1 mg/l (OECD 202)
Triazine derivative	EC 50 (Water Flea): > 100 mg/l
Calcium Sulfonate	EC 50 (Water Flea, 48 h): > 100 mg/l (OECD 202)
Ca Sulfonate	EC 50 (Water Flea, 48 h): > 1,001 mg/l
Triaryl phosphate, alkylated	EC 50 (Water Flea, 48 h): 0.202 mg/l
inorganic Zink salt	EC 50 (Water Flea, 48 h): 26 mg/l
phenolic antioxidant	EC 50 (Water Flea, 48 h): 0.61 mg/l (OECD 202)
Amine aromatic , alkylated	EC 50 (Daphnia magna): 51 mg/l (OECD 202)
Zn compound	EC 50 (Water Flea, 48 h): 2.2 mg/l

Chronic ToxicityProduct: Based on available data, the classification criteria are met.

Fish**Specified substance(s)**

Triaryl phosphate, alkylated	NOEC (Fish, 90 d): 0.093 mg/l
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Aquatic Invertebrates**Specified substance(s)**

Triaryl phosphate, alkylated	NOEC (Water Flea, 21 d): 0.0399 mg/l
phenolic antioxidant	NOEC (Water Flea, 21 d): > 0.39 mg/l

Toxicity to Aquatic Plants**Specified substance(s)**

Calcium Sulfonate	EL50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1,000 mg/l
Ca-sulfonate	EC 50 (Alga, 96 h): 29 mg/l
Lime hydrate	EC 50 (Alga, 72 h): 184.57 mg/l
Ca Sulfonate	EC 50 (Alga, 72 h): > 1,000 mg/l
Triaryl phosphate, alkylated	EC 50 (Alga, 72 h): 1.4 mg/l NOEC (Alga, 72 h): 0.05 mg/l

Product name: GLEITMO WSP 5000

Amine aromatic ,
alkylated EC 50 (72 h): > 100 mg/l (OECD 201)

Zn compound EC 50 (Alga, 72 h): 0.17 mg/l

12.2 Persistence and Degradability

Biodegradation

Product:	Not applicable for mixtures
Specified substance(s)	
Ca-sulfonate	(OECD 301B) Readily biodegradable
Calcium Sulfonate	8.6 % (28 d) Not easily biodegradable
Triaryl phosphate, alkylated	61 % (28 d) Readily biodegradable
phenolic antioxidant	30 % (OECD 302C) Not readily degradable.
Amine aromatic , alkylated	Not readily degradable.

12.3 Bioaccumulative potential

Product:	Not applicable for mixtures
Specified substance(s)	
phenolic antioxidant	May be accumulated in organism

12.4 Mobility in soil:

Product:	Not applicable for mixtures
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12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects:

Harmful to aquatic life with long lasting effects.

13 Disposal considerations

13.1 Waste treatment methods

General information:	Dispose in accordance with all applicable regulations.
Disposal methods:	Discharge, treatment, or disposal may be subject to national, state, or local laws.

14 TRANSPORT INFORMATION

DOT

Not Regulated.

TDG

Not Regulated.

Product name: GLEITMO WSP 5000

IMDG - International Maritime Dangerous Goods Code

Not Regulated.

IATA

Not Regulated.

15 REGULATORY INFORMATION**US Federal Regulations****US State Regulations****Inventory Status**

TSCA	On or in compliance with the inventory
DSL	Q (quantity restricted)

16 OTHER INFORMATION**Revision Information:** Vertical lines in the margin indicate an amendment.**Wording of the H-statements in section 2 and 3**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training information: Follow training instructions when handling this material.**Revision Date:** 20.07.2023

Disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.

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Product name: GLEITMO WSP 5000
