

**Safety data Sheet according to Regulation (EC) No. 1907/2006**

Print date: 19.12. 20172017

Revision date 007-10-2017

**Schwer Fittings GmbH****Material No: Gleitfett 5GP**

Seite 1/4

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

1.1. Product identifier: Gleitfett 5GP

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

Lubricant and lubricant additive, industrial

1.3. Details of the supplier of the safety data sheet

Company name: Schwer fittings GmbH

Street: Hans Schwer Platz 1

Place: D-78588 Denkingen

Tel. 0049 7424 98250

Telefax: 0049 7424 9825.10

Contact person: Hr. Veeseer

Internet: [www.schwer.com](http://www.schwer.com)

REsponsible Department::

Hr. Veeseer 0049 74249825 – 122 (Zentrale -100)

1.4 **Emergency telephone number****0049 74249825122****SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

calcium dihydroxide

**Signal word:**

Danger

**Pictograms:****Hazard statements**

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

**Precautionary statements**

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of water.

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Immediately call a POISON CENTER/doctor.  
Dispose of waste according to applicable legislation.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1305-62-0	calcium dihydroxide			30 - < 35 %
	215-137-3		01-2119475151-45	
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			
7446-26-6	Zinkpyrophosphat			5 - < 10 %
	231-203-4			
	Aquatic Chronic 2; H411			
1314-13-2	zinc oxide			< 1 %
	215-222-5	030-013-00-7	01-2119463881-32	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

Full text of H and EUH statements: see section 16.

**Further Information**

&lt; 3 % Dimethylsulfoxide (DMSO)

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air. Medical treatment necessary.

**After contact with skin**

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

**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**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

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**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**5.2. Special hazards arising from the substance or mixture**

Non-flammable.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid generation of dust. Do not breathe dust.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep container tightly closed.

**Advice on storage compatibility**

No special measures are necessary.

**7.3. Specific end use(s)**

Lubricant and lubricant additive, industrial

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1305-62-0	Calcium hydroxide	-	5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
8002-74-2	Paraffin wax, fume	-	2		TWA (8 h)	WEL
		-	6		STEL (15 min)	WEL

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
1314-13-2	zinc oxide			
Consumer DNEL, acute		oral	systemic	0,83 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	2,5 mg/m <sup>3</sup>
Consumer DNEL, acute		dermal	systemic	83 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	5 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	Value
1314-13-2	zinc oxide	
Environmental compartment		
Micro-organisms in sewage treatment plants (STP)		0,052 mg/l
Soil		35,6 mg/kg
Marine sediment		56,5 mg/kg
Freshwater sediment		117,8 mg/kg
Marine water		0,0061 mg/l
Freshwater		0,0206 mg/l

**8.2. Exposure controls****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**Eye/face protection**

Suitable eye protection: goggles.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: solid (Paste)  
Colour: brown (opaque)

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Odour:	characteristic	
		<b>Test method</b>
pH-Value:		not determined
<b>Changes in the physical state</b>		
Melting point:		not determined
Initial boiling point and boiling range:		> 210 °C
Drop point/drop range:		> 180 °C DIN ISO 2176
Flash point:		> 200 °C DIN 51376
<b>Flammability</b>		
Solid:		not determined
Gas:		not applicable
<b>Explosive properties</b>		
No information available.		
Lower explosion limits:		not determined
Upper explosion limits:		not determined
<b>Auto-ignition temperature</b>		
Solid:		> 325 °C
Gas:		not applicable
Decomposition temperature:		not determined
<b>Oxidizing properties</b>		
Not oxidizing.		
Vapour pressure:		< 0,1 hPa
Density:		ca. 1,1 g/cm <sup>3</sup>
Water solubility:		practically insoluble
<b>Solubility in other solvents</b>		
not determined		
Partition coefficient:		not determined
Viscosity / dynamic:		not determined
Viscosity / kinematic:		not determined
Vapour density:		not determined
Evaporation rate:		not determined
<b>9.2. Other information</b>		
Solid content:		40 - 50 %
<b>SECTION 10: Stability and reactivity</b>		
<b>10.1. Reactivity</b>		
No hazardous reaction when handled and stored according to provisions.		
<b>10.2. Chemical stability</b>		
The product is stable under storage at normal ambient temperatures.		
<b>10.3. Possibility of hazardous reactions</b>		
No known hazardous reactions.		
<b>10.4. Conditions to avoid</b>		
none		
<b>10.5. Incompatible materials</b>		
No information available.		
<b>10.6. Hazardous decomposition products</b>		
No known hazardous decomposition products.		

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**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

CAS No	Chemical name		Exposure route	Dose	Species	Source	Method
1305-62-0	calcium dihydroxide						
	oral	LD50 mg/kg	> 2000	Rat	OECD 425		
	dermal	LD50 mg/kg	> 2500	Rabbit	OECD 402		
7446-26-6	Zinkpyrophosphat						
	oral	LD50 mg/kg	> 2000	Rat	Manufacturer		
1314-13-2	zinc oxide						
	oral	LD50 mg/kg	> 5000	Rat	OECD 401		
	dermal	LD50 mg/kg	> 2000	Rat	OECD 402		
	inhalative (4 h) aerosol	LC50	> 5,7 mg/l	Rat	OECD 403		

**Additional information on tests**

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

**SECTION 12: Ecological information**
**12.1. Toxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name		Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1305-62-0	calcium dihydroxide							
	Acute fish toxicity	LC50	50,6 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203		
	Acute algae toxicity	ErC50 mg/l	184,57	72 h	Pseudokirchneriella subcapitata	OECD 201		
	Acute crustacea toxicity	EC50	49,1 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202		
	Algae toxicity	NOEC	48 mg/l	3 d	Pseudokirchneriella subcapitata	OECD 201		
7446-26-6	Zinkpyrophosphat							
	Acute algae toxicity	ErC50	4,7 mg/l	72 h	Algae	OECD 201		
	Acute crustacea toxicity	EC50	26 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202		
1314-13-2	zinc oxide							
	Acute fish toxicity	LC50 mg/l	1,793	96 h	Brachydanio rerio (zebra-fish)	IUCLID		
	Acute algae toxicity	ErC50 mg/l	0,136	72 h	Pseudokirchneriella subcapitata	OECD 201		
	Acute crustacea toxicity	EC50	2,6 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202		

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The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The product has not been tested.

**12.6. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

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**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - water contaminating

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:  
White mineral oil (petroleum)

**SECTION 16: Other information**
**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.  
Toxic to aquatic life with long lasting effects.  
Harmful to aquatic life with long lasting effects.

**Further Information**

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.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*