

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

Printed 18.07.2015  
revision 10.06.2015 (GB) Version 2.1  
**CASSIDA GREASE EPS 1**  
A01-07512

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

**1.1. Product identifier**

Name of product CASSIDA GREASE EPS 1

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

Recommended intended purpose(s)

Lubricating grease

**1.3. Details of the supplier of the safety data sheet**

Manufacturer/distributor

FUCHS LUBRITECH GMBH  
Werner-Heisenberg-Straße 1, D-67661 Kaiserslautern/Germany  
Phone +49 (0) 6301 3206 - 0, Fax +49 (0) 6301 3206 - 940  
E-Mail reach@fuchs-lubritech.de  
Internet www.fuchs-lubritech.com

Advice

Product Safety Management  
Phone +49 (0) 6301 3206 - 0  
Fax +49 (0) 6301 3206 - 940  
E-mail (competent person):  
reach@fuchs-lubritech.de

**1.4. Emergency telephone number**

Emergency advice

+49 (0)171 / 4632154  
Phone 06301/3206-808  
This number is only available at office times.

**EMERGENCY  
TELEPHONE NO.  
800-255-3924**

**! SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

No information available.

**2.2. Label elements**

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

Additional information

**! Remark**

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008

**2.3. Other hazards**

Information pertaining to special dangers for human and environment

none at appropriate handling and storage

**! SECTION 3: Composition/ information on ingredients**

**3.1. Substances**

not applicable

**3.2. Mixtures**

Description

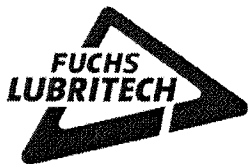
Thickening system and additives in synthetic oil

**! Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
80939-62-4	203-749-3	Ölsäure-Derivat Aminphosphat-Gemisch	<= 0,1 0,1 < 1	Xn;R20-38-41, N;R50/53 Xi, N,R36/38-51/53
CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
80939-62-4	203-749-3	Ölsäure-Derivat Aminphosphat-Gemisch	<= 0,1 0,1 < 1	Eye Dam. 1, H318 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 / Acute Tox.4, H332 / Skin Irrit.2, H315 Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / Eye Irrit. 2, H319

**! Additional advice**

We do not know of adverse reactions at storage and handling of the product in accordance with the prescribed procedures.



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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately, don't leave to dry.

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.  
(may be relevant for vapours of superheated product)

#### In case of skin contact

In case of contact with skin wash off with soap and water.

Don't use organic solvents

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Physician's information / possible symptoms

No symptoms known so far.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### Treatment (Advice to doctor)

Treat symptoms.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

water mist

#### Unsuitable extinguishing media

Strong water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear suitable personal protective equipment for fire extinguishing measures.

#### Additional information

Apply foam in large quantities because some of it is destroyed by the product.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Ensure adequate ventilation.

Avoid contact with skin and eyes

High risk of slipping due to leakage/spillage of product.

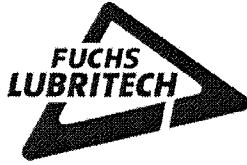
#### For emergency responders

no special dangers known

### 6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.



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

Send in suitable containers for recovery or disposal.  
Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder).  
Take up mechanically.

### Additional Information

no special dangers known

### 6.4. Reference to other sections

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8  
Emergency telephone number: see section 1

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of oil dust.  
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### General protective measures

Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.

#### Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.  
Follow general rules of industrial hygiene for safe handling of chemical products  
Remove soaked clothing immediately.  
Wash skin thoroughly and immediately after handling the product.  
Use barrier skin cream.

#### Advice on protection against fire and explosion

The product is combustible.  
Pay attention to general rules of internal fire prevention.

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

#### Requirements for storage rooms and vessels

Prevent penetration into the ground.

#### Advice on storage compatibility

Do not store together with oxidising and self-inflammable materials.

#### Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.  
Protect from heat and direct solar radiation.  
Storage temperature may not exceed 40 °C (=104 °F).  
Store in a dry place.  
Do not keep at temperatures below 0 °C.  
Recommended storage temperature: room temperature.

#### Information on storage stability

See technical information about storage of lubricants

**Storage group** 11

**Fire class** B

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

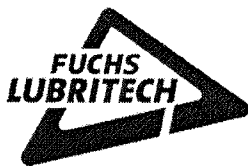
#### Additional advice

As basis for this information served the valid references.

### 8.2. Exposure controls

#### Respiratory protection

Not required at determined application



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**Hand protection**

As the product is a preparation of several substances, the actual resistance of the materials used for gloves cannot be scientifically calculated; it is therefore mandatory to check this before using the product.

The break through time depends on the mechanical stress imposed and must therefore be checked individually.

PVC gloves  
nitrile gloves  
Neoprene gloves

**Eye protection**

tightly fitting goggles, in case of splashing

**Other protection measures**

Usual working clothes for chemical industries

**Thermal hazards**

no special dangers known

**Appropriate engineering controls**

Care for good room ventilation, exhaust system at workshop place if necessary

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

pasty

**Colour**

white

**Odour**

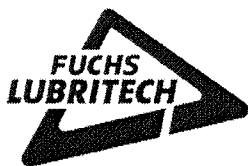
odourless

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>					not applicable
<b>Boiling temperature / boiling range</b>	not determined				
<b>drop point</b>	> 200 °C			DIN/ISO 2176	
<b>Flash point</b>	> 200 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	> 320 °C				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	1 Vol-%				information refer to base oil
<b>Upper explosion limit</b>	10 Vol-%				information refer to base oil
<b>Vapour pressure</b>	< 0,5 Pa	20 °C			
<b>Relative density</b>	ca. 0,917 - 0,919 g/cm <sup>3</sup>	15 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					more or less insoluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				



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	Value	Temperature	at	Method	Remark		
<b>Decomposition temperature</b>	not determined						
<b>Viscosity consistency</b>					NLGI 1		
<b>Viscosity kinematic</b>	198 - 242	40 °C	Angaben beziehen sich auf das Grundöl				
<b>Oxidising properties</b>	no						
<b>Explosive properties</b>	No information available.						
<b>9.2. Other information</b>	No information available.						

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Heating, unshielded flame, ignition source, electrostatic charge

### 10.5. Incompatible materials

#### Materials to avoid

Reactions with oxidising agents.

### 10.6. Hazardous decomposition products

none at appropriate handling and storage

### Thermal decomposition

Remark No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

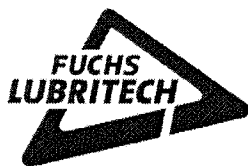
	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	not determined			
<b>Irritability skin</b>				frequent and/or persistent contact may cause skin irritation
<b>Irritability eye</b>	may have irritating effect			if splash reaches eye
<b>Skin sensitization</b>	No sensitizing effect known			

#### Experiences made from practice

Has a degreasing effect on the skin.  
no harmful effects at appropriate handling and determined usage

#### Additional information

No toxicological data available.  
The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (conventional method).



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## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

Value	Species	Method	Validation
<b>Fish</b>			not determined

### 12.2. Persistence and degradability

<b>Biological degradability</b>	not determined
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### 12.3. Bioaccumulative potential

Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge.  
preparation is water insoluble and does not formate emulsion

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

#### Behaviour in sewage plant

Product gets duly not into waste water before it is not treated according to the local regulations.  
The viscous consistency of the product can cause trouble in transport lines and purification plants.

#### General regulation

Ecological dates are not available.  
Do not allow uncontrolled leakage of product into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Recommendations for the product

Waste disposal in accordance with the relevant regulations.

#### Recommendations for packaging

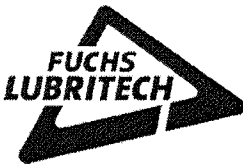
Totally emptied packaging may be taken for recycling.  
Dispose one-trip container according to local authority prescriptions  
EAK 15 01 10: packing material with harmful contamination

#### General information

Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-
<b>14.6. Special precautions for user</b> no special dangers known			
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> not applicable			
<b>Land and inland navigation transport ADR/RID</b> No dangerous goods as defined by these transport regulations.			



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**Marine transport IMDG**

No dangerous goods as defined by these transport regulations.

**Air transport ICAO/IATA-DGR**

No dangerous goods as defined by these transport regulations.

**Transport/further information**

No hazardous goods as defined by prescriptions

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**SECTION 15: Regulatory information**

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

**VOC standard**

VOC content 0 %

**National regulations**

Water hazard class 1 Mixture-WGK according to VwVwS (GER)

**15.2. Chemical Safety Assessment**

Chemical Safety Assessments for mixtures is not required.

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**SECTION 16: Other information**

**Training advice**

Use information in this MSDS

**Recommended uses and restrictions**

usage only according to instructions for use and observance of warning notes  
National and local regulations concerning chemicals shall be observed.

**Further information**

The information given in this MSDS is based on the present state of knowledge and is intended to describe our products from the point of view of safety requirements only.

Substantial changes to the former version are marked by "!" on the left margin of the paper.

All the raw materials in this product are listed in TSCA.

All the raw materials in this product are listed in DSL.

Refer to product information paper.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 2.0

**Sources of key data used**

Material Safety Data Sheets of raw materials

**Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)**

R 20 Harmful by inhalation.

R 36/38 Irritating to eyes and skin.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

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.