



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

Printed 25.08.2015
revision 29.04.2015 (GB) Version 1.3

LAGERMEISTER HDG 0-1
A01-03441

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

1.1. Product identifier

Name of product

LAGERMEISTER HDG 0-1

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.

US Emergency Telephone Number
800-255-3924 (Chemtel)

! SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

R52/53

! R-phrases

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Hazard classes and Hazard categories Hazard Statements Classification procedure

Aquatic Chronic 3 H412

2.2. Label elements

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

Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

Metal complex thickened mineral oil with solid lubricants

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
1305-62-0	215-137-3	calcium hydroxide	2,4 - 4,9	XiR37/38-41
68937-40-6	273-065-8	Phenol, isobutyleniert, Phosphat (3:1)	0,1 < 1	

Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
37640-57-6	253-575-7	1,3,5-triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamin	2,4 - 4,9	Xn; R48/22
	271-529-4	Ca sulfonate	4,9 - 10	Xi; R36
	215-222-5	Zn(II)-compound	0,1 < 1	N; R50/53
		Inorganic zinc compound	2,4 - 4,9	N; R50
		Inorganic zinc salt	0,1 < 1	N; R51/53
CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
1305-62-0	215-137-3	calcium hydroxide	2,4 - 4,9	Eye Dam. 1, H318 / Skin Irrit. 2, H315 / STOT SE 3, H335
68937-40-6	273-065-8	Phenol, isobutyleniert, Phosphat (3:1)	0,1 < 1	Aquatic Chronic 1, H411
37640-57-6	253-575-7	1,3,5-triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamin	2,4 - 4,9	STOT RE 2, H373
	271-529-4	Ca sulfonate	4,9 - 10	Eye Irrit. 2, H319
	215-222-5	Zn(II)-compound	0,1 < 1	Aquatic Chronic 1, H410 / Aquatic Acute 1, H400
		Inorganic zinc compound	2,4 - 4,9	Aquatic Acute 1, H400
		Inorganic zinc salt	0,1 < 1	Aquatic Chronic 2, H411

REACH

CAS No	Name	REACH registration number
37640-57-6	1,3,5-triazine-2,4,6-(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamin	01-2119510711-53-0000

Additional advice

none at appropriate handling and storage

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

Not applicable: No harmful steam concentration due to low volatility

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.

Call for a doctor immediately.

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

Physician's information / possible symptoms

No symptoms known so far.

Physician's information / possible dangers

Aspiration hazard when vomiting after swallow up

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

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

sand

Unsuitable extinguishing media

water

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.

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.

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

Umweltgefährlich

6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

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

Alert appropriate regulatory bodies.

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

After taking up the material dispose according to regulation.

Take up mechanically and send for disposal.

Additional Information

Informations for disposal see chapter 13.

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

Take the usual precautions when handling with chemicals.

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

At work do not eat, drink and smoke.

Remove soaked clothing immediately.

Keep away from food and drink.

Wash hands before breaks and after work.

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.



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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.
Store in a dry place.
Recommended storage temperature: room temperature.

Information on storage stability

see Product information

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

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
128-37-0	2,6-Di-tert-butyl-p-kresol	8 hours	10 E	4(II)	DFG, Y, 11
1305-62-0	calcium dihydroxide	8 hours	5 E		EU

Additional advice

As basis for this information served the valid references.

8.2. Exposure controls

Respiratory protection

Not required at determined application

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

Eye protection

tightly fitting goggles, in case of splashing

Other protection measures

Usual working clothes for chemical industries

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

yellowy-brown

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value					not applicable
boiling range					not applicable
melting range	> 270 °C				
Flash point	> 300 °C			ISO 2592	
Vapourisation rate	not determined				



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	Value	Temperature	at	Method	Remark
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature					unknown
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	ca. 0,9 g/cm ³	20 °C		DIN 53217	
Vapour density	not determined				
Solubility in water					more or less insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)					not determined
Decomposition temperature	not determined				
Viscosity consistency					NLGI 0,5
Oxidising properties	no				
Explosive properties	no				
9.2. Other information	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

none at appropriate handling and storage

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 below 300 °C.

Additional information

All grease components show a very low level of reactivity at room temperature



! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral				not determined
Irritability skin	non-irritant	rabbit	OECD 404	
Irritability eye	non-irritant	rabbit eye	OECD 405	
Skin sensitization	No sensitizing effect known			

Experiences made from practice

Frequent persistent contact with the skin may cause skin irritation.
no harmful effects at appropriate handling and determined usage

! Additional information

Analogous to products of similar composition.
The product was classified on the basis of the calculation procedure of the directive 67/548/EEC (conventional method).

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

Value	Species	Method	Validation
Fish			not determined

12.2. Persistence and degradability

Biological degradability not determined

12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

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.

General regulation

Ecological dates are not available.
Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Disposal according to local authority prescriptions

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Dispose one-trip container according to local authority prescriptions

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

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.

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.

Refer to product information paper.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.2

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 36 Irritating to eyes.

R 37/38 Irritating to respiratory system and skin.

R 41 Risk of serious damage to eyes.

R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.



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R 50 Very toxic to aquatic organisms.

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.

H335 May cause respiratory irritation.

H373 May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

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.