
SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

0890402 - LONG-TERM GREASE III - 400 G

Version 2.0	Revision Date 05.04.2014	Print Date 08.04.2014	DE / EN
	Date of last issue: 24.11.2013		
	Date of first issue: 11.06.2010		

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Commercial Product Name : LONG-TERM GREASE III - 400 G
Product code : 0890402
MSDS-Identcode : 10032975

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

Use of the Substance/Mixture : Anti-friction agent and lubricant

1.3 Details of the supplier of the safety data sheet

Company : Adolf Wuerth GmbH & Co. KG
Reinhold-Würth-Str. 12-17
74653 Künzelsau
Germany
Telephone : +49 7940 15 0
Telefax : +49 7940 15 10 00

Responsible/issuing person : E-mail address: prodsafe@wuerth.com

1.4 Emergency telephone number

Giftnotrufzentrale Berlin
+49 30 30686 790

Gesellschaft (07:00 – 18:00 Uhr)
+49 7940 15 2552

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

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Additional Labelling:

EUH210 Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

Chemical Name	CAS-No.	Classification (67/548/EEC)	Classification (1272/2008/EC)	Concentration [%]
	EC-No.			
	Registration number			
Naphthenic acids, zinc salts	12001-85-3	Xi; R36/38 N; R51/53	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	>= 1,5 - < 2
	234-409-2			

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- General advice : If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- If inhaled : If breathed in, move person into fresh air.
- In case of skin contact : Wash off with polyethylene glycol and afterwards with plenty of water.
- In case of eye contact : If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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If swallowed : If swallowed, DO NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label. If a person vomits when lying on his back, place him in the recovery position.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

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

Suitable extinguishing media : Dry powder, Foam, Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire. Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation, especially in confined areas. Contaminated surfaces will be extremely slippery. Avoid inhalation of vapour or mist.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

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Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.

6.4 Reference to other sections

see chapter: 7, 8, 11, 12 and 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Do not carry cloths that have come into contact with the product in your clothing. For personal protection see section 8.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Dust explosion class : Not applicable

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

German storage class : 10, Combustible liquids not in Storage Class 3

Storage temperature : ≤ 50 °C

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Contains no substances with occupational exposure limit values.

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Other information on limit values: see chapter 16

8.2 Exposure controls

Engineering measures

Provide adequate ventilation.

Personal protective equipment

Respiratory protection

: In the case of dust or aerosol formation use respirator with an approved filter.
Respirator with combination filter for vapour/particulate (EN 141).

Hand protection

Remarks

: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection

: In case of splash hazard, please wear protective goggles.

Skin and body protection

: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Avoid breathing vapours, mist or gas.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

Environmental exposure controls

General advice

: Prevent further leakage or spillage if safe to do so.

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

Appearance	: paste
Colour	: yellow, brown
Odour	: oily
Odour Threshold	: No data available
Flash point	: > 150 °C
Ignition temperature	: No data available
Thermal decomposition	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Explosive properties	: No data available
Flammability	: No data available
Oxidizing properties	: No data available
Auto-ignition temperature	: No data available
Burning number	: No data available
Molecular weight	: No data available
pH	: No data available
Vapour pressure	: No data available
Density	: < 1 g/cm ³
Bulk density	: No data available
Water solubility	: immiscible
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available
Impact sensitivity	: No data available
Relative vapour density	: No data available
Surface tension	: No data available
Evaporation rate	: No data available
Minimum ignition energy	: No data available
Acid number	: No data available
Refraction index	: No data available
Miscibility in water	: No data available
Solvent separation test	: No data available

9.2 Other information

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None known.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Stability : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

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

No data available

Acute inhalation toxicity:

No data available

Acute dermal toxicity:

No data available

Acute toxicity (other routes of administration):

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No data available

Skin corrosion/irritation

Skin irritation : May irritate skin.

Serious eye damage/eye irritation

Eye irritation : May irritate eyes.

Respiratory or skin sensitisation

Sensitisation:

No data available

Germ cell mutagenicity

Genotoxicity in vitro:

No data available

Genotoxicity in vivo:

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

Aspiration toxicity

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No data available

Neurological effects

No data available

Toxicology Assessment

Toxicology, Metabolism, Distribution

No data available

Acute effects

No data available

SECTION 12: Ecological information**12.1 Toxicity**

No data available

Ecotoxicology Assessment

Naphthenic acids, zinc salts

:

Toxic to aquatic life.

Chronic aquatic toxicity

Naphthenic acids, zinc salts

:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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12.6 Other adverse effects

Adsorbed organic bound halogens (AOX) : Remarks:
not included

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Advice on disposal and packaging : Disposal:
In accordance with local and national regulations. Do not dispose of together with household waste.
Waste codes should be assigned by the user based on the application for which the product was used.

The following Waste Codes are only suggestions:

Waste Code (EWC) : Waste Key (unused product):
130899, wastes not otherwise specified

Waste key (used product):
130899, wastes not otherwise specified

Disposal of uncleaned packaging : Waste key (uncleaned packaging):
150110, packaging containing residues of or contaminated by dangerous substances

Note: Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of as unused product.

SECTION 14: Transport information**14.1 UN number****ADN**

Not dangerous goods

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

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Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADN

Not dangerous goods

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class(es)

ADN

Not dangerous goods

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADN

Not dangerous goods

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADN

Not dangerous goods

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

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Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

see chapter: 6, 7 and 8

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CodeNot applicable for product as supplied.

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

Seveso II - Directive
2003/105/EC amending Council
Directive 96/82/EC on the con-
trol of major-accident hazards
involving dangerous substances

: Update: 2003
Directive 96/82/EC does not apply

Seveso III: Directive 2012/18/EU : Update: Quantity 1 Quantity 2
of the European Parliament and
of the Council on the control of
major-accident hazards involving
dangerous substances.

Petroleum products: (a) gaso-
lines and naphthas, (b) kero-
senes (including jet fuels), (c)
gas oils (including diesel
fuels, home heating oils and
gas oil blending streams) 2.500 t 25.000 t

National legislation

Water contaminating class : WGK 2 (water endangering)
(Germany) self classification

Further information : Reserved for industrial and professional use.

15.2 Chemical Safety AssessmentNo data available

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SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

R36/38

Irritating to eyes and skin.

R51/53

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

Full text of H-Statements referred to under sections 2 and 3.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H411

Toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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