

Multipurpose Grease

Version number: 1.0

Date of compilation: 2023-12-20

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

1.1 Product identifier

Trade name **Multipurpose Grease**
 Article number 215649, 215650, 215663, 215891, 215892, 215893, 215894, 216044, 1005293, 1005845, 1005846, 1005847, 1005848, 1005849

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

Relevant identified uses Lubricant
 Professional use

1.3 Details of the supplier of the safety data sheet

Berner Produkten b.v.
 Steenbergstraat 25
 6465 AB Kerkrade
 Netherlands

+31 45 53 39 133
 e-mail: info@berner.nl
 Website: www.berner.nl

Additional information

Importer					
Country	Name	Postal code/city	Telephone	Telefax	Website
United Kingdom	United Industrial Supplies	KY11 8UQ Dunfermline	+ 44 1383 729814		Www.unitedindustrial.co.uk

e-mail (competent person) Productsafety.chemicals@berner-group.com

1.4 Emergency telephone number

Poison centre		
Country	Name	Telephone
United Kingdom	National Poisons Information Service (Birmingham Unit)	844 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (acc. to GB CLP)
 This mixture does not meet the criteria for classification.

2.2 Label elements

Labelling (acc. to GB CLP)

- Signal word Not required
- Pictograms Not required
- Supplemental hazard information
 - EUH208 Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.
 - EUH210 Safety data sheet available on request.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

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Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Mixture of ingredients not classified as hazardous.

Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
Naphthenic acids, zinc salts, basic	CAS No 84418-50-8 EC No 282-762-6	0.1 – < 1	Skin Sens. 1 / H317 Aquatic Chronic 3 / H412	

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

In all cases of doubt, or when symptoms persist, seek medical advice. Take off immediately all contaminated clothing and wash it before reuse. If medical advice is needed, have product container or label at hand. Self-protection of the first aider.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

Following skin contact

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Then consult a doctor.

Following ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic reactions in already sensitised individuals.

4.3 Indication of any immediate medical attention and special treatment needed

None

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

Suitable extinguishing media

Alcohol resistant foam, Dry extinguishing powder, Carbon dioxide (CO₂), Sand

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂), Pyrolysis products, toxic**5.3 Advice for firefighters**

Keep containers cool with water spray. In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

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

For non-emergency personnel

Follow emergency procedures such as the need to evacuate the danger area or to consult an expert. Remove persons to safety. Provision of sufficient ventilation. Prevent skin contact. Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Personal protective equipment: see section 8.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Sawdust, Kieselgur (diatomite), Sand, Universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation
Use local and general ventilation. Use only in well-ventilated areas.
- Handling of incompatible substances or mixtures
- Keep away from
Oxidisers

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as
heat, UV-radiation/sunlight

- Specific designs for storage rooms or vessels
Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep cool. Store container upright.
- Storage temperature
Recommended storage temperature: <45 °C
- Packaging compatibilities
Keep only in original container.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggles with side protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

- Type of material

NBR: acrylonitrile-butadiene rubber

- Breakthrough times of the glove material

>480 minutes (permeation: level 6) The information of the manufacturer of the protective gloves on permeability and breakthrough times must be observed.

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- Other protection measures

Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Body protection

Chemical protective clothing.

Respiratory protection

Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid (paste)
Colour	Light yellow
Odour	No data available
Melting point/freezing point	Data are not available
Boiling point or initial boiling point and boiling range	Data are not available
Flammability	data are not available
Lower and upper explosion limit	Data are not available
Flash point	>150 °C
Auto-ignition temperature	Data are not available
pH (value)	Data are not available
Viscosity	Information on this property is not available
Kinematic viscosity	>20.5 mm ² /s at 40 °C
Solubility(ies)	Data are not available

Partition coefficient

Partition coefficient n-octanol/water (log value)	Not relevant
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Vapour pressure	Data are not available
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Density and/or relative density

Density	<1,000 kg/m ³ at 25 °C
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Particle characteristics	Not relevant (liquid)
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9.2 Other information

Information with regard to physical hazard classes Hazard classes acc. to GHS (Physical hazards):

Explosive	Based on available data, the classification criteria are not met
Flammable liquids	Based on available data, the classification criteria are not met
Self-reactive substances and mixtures	Based on available data, the classification criteria are not met
Pyrophoric liquids	Based on available data, the classification criteria are not met
Self-heating substances and mixtures	Based on available data, the classification criteria are not met
Substances and mixtures, which emit flammable gases in contact with water	Based on available data, the classification criteria are not met
Oxidising liquids	Based on available data, the classification criteria are not met
Organic peroxides	Based on available data, the classification criteria are not met
Corrosive to metals	Based on available data, the classification criteria are not met
Other safety characteristics	There is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Test data are not available for the complete mixture.

Classification acc. to GHS

This mixture does not meet the criteria for classification.

Acute toxicity

The classification criteria for these hazard classes are not met. Shall not be classified as acutely toxic.

Acute toxicity of components					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Naphthenic acids, zinc salts, basic	84418-50-8	Oral	LD50	2,001 mg/kg	Rat
Naphthenic acids, zinc salts, basic	84418-50-8	Inhalation: dust/mist	LC50	>420 mg/m ³ /4h	Rat
Naphthenic acids, zinc salts, basic	84418-50-8	Dermal	LD50	2,001 mg/kg	Rabbit

Skin corrosion/irritation

The classification criteria for this hazard class are not met.

Serious eye damage/eye irritation

The classification criteria for this hazard class are not met.

Respiratory or skin sensitisation

Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.

Germ cell mutagenicity

The classification criteria for this hazard class are not met.

Carcinogenicity

The classification criteria for this hazard class are not met.

Reproductive toxicity

The classification criteria for this hazard class are not met.

Specific target organ toxicity - single exposure

The classification criteria for this hazard class are not met.

Specific target organ toxicity - repeated exposure

The classification criteria for this hazard class are not met.

Aspiration hazard

The classification criteria for this hazard class are not met.

SECTION 12: Ecological information**12.1 Toxicity**

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Aquatic toxicity (acute) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Naphthenic acids, zinc salts, basic	84418-50-8	LL50	5.62 mg/l	Zebra fish (Danio rerio)	96 h
Naphthenic acids, zinc salts, basic	84418-50-8	EC50	20 mg/l	Daphnia magna	48 h

Aquatic toxicity (chronic) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Naphthenic acids, zinc salts, basic	84418-50-8	LC50	330 µg/l	Fish	95 h
Naphthenic acids, zinc salts, basic	84418-50-8	EC50	5.2 mg/l	Microorganisms	3 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Bioaccumulative potential of components				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Naphthenic acids, zinc salts, basic	84418-50-8	4.98		

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Keep away from drains, surface and ground water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

List of wastes

- Product
- 13 08 99* Wastes not otherwise specified

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Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- | | |
|---|---|
| 14.1 UN number | Not subject to transport regulations |
| 14.2 UN proper shipping name | Not relevant |
| 14.3 Transport hazard class(es) | None |
| 14.4 Packing group | Not assigned |
| 14.5 Environmental hazards | Non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 Special precautions for user | There is no additional information. |
| 14.7 Maritime transport in bulk according to IMO instruments | The cargo is not intended to be carried in bulk. |

Information for each of the UN Model Regulations

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	Not assigned		

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed

Water Framework Directive (WFD)

None of the ingredients are listed

Regulation on the marketing and use of explosives precursors

None of the ingredients are listed

Regulation on drug precursors

None of the ingredients are listed

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed

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National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

None of the ingredients are listed

Restrictions according to GB REACH, Annex 17

Dangerous substances with restrictions (GB REACH, Annex 17)			
Name of substance	Name acc. to inventory	CAS No	No
Naphthenic acids, zinc salts, basic	This product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GB CLP	The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
Index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval

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Abbr.	Descriptions of used abbreviations
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
Log KOW	n-Octanol/water
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Sens.	Skin sensitisation
VPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended). GB mandatory classification and labelling.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Training advice

Provide written standard operating procedures where appropriate to ensure safety.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.