

Safety Data Sheet

according to Regulation (EC) No 1907/2006

622(E) White Grease

Revision date: 19.10.2022

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

1.1. Product identifier

622(E) White Grease

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

Use of the substance/mixture

Lubricating grease only for industrial use

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

| | | |
|--------------------------|-------------------------------|-------------------------------|
| Company name: | Chesterton International GmbH | |
| Street: | Am Lenzenfleck 23 | |
| Place: | D-85737 Ismaning GERMANY | |
| Telephone: | +49 89 99 65 46 - 0 | Telefax: +49 89 99 65 46 - 50 |
| e-mail: | eu-sds@chesterton.com | |
| e-mail (Contact person): | eu-sds@chesterton.com | |
| Internet: | www.chesterton.com | |
| Responsible Department: | eu-sds@chesterton.com | |

1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Regulation (EC) No 1272/2008

Special labelling of certain mixtures

EUH210 Safety data sheet available on request.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

aluminium thickened lubricating grease based on medicinal white oil with additives

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Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|---|----------|------------------|----------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | < 0,25 % |
| | 270-128-1 | | 01-2119491299-23 | |
| | Repr. 2, Aquatic Chronic 3; H361f H412 | | | |

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

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|--|---|----------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 68411-46-1 | 270-128-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | < 0,25 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

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.

Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let 1 glass of water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

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

First Aid, decontamination, treatment of symptoms.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- alcohol resistant foam
- Water spray jet
- Carbon dioxide (CO₂)
- Sand

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides (NO_x)

5.3. Advice for firefighters

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

In case of fire: Wear self-contained breathing apparatus.

Special protective equipment for firefighters: Protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid contact with skin, eyes and clothes.

Safe handling: see section 7

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Dispose of waste according to applicable legislation.

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

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7.1. Precautions for safe handling

Advice on safe handling

Personal protection equipment: see section 8

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes. Use protective skin cream before handling the product. Remove contaminated, saturated clothing immediately. When using do not eat, drink, smoke, sniff. Wash hands and face before breaks and after work and take a shower if necessary.

Further information on handling

Wash hands before breaks and after work. Only wear fitting, comfortable and clean protective clothing. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

Special danger of slipping by leaking/spilling product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a cool dry place. Keep container tightly closed. Keep/Store only in original container. Protect from direct sunlight.

storage temperature: <45°C

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against: Frost

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

| CAS No | Substance | | |
|--------------------------|---|----------|------------------------|
| DNEL type | Exposure route | Effect | Value |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | |
| Worker DNEL, long-term | inhalation | systemic | 0,31 mg/m ³ |
| Worker DNEL, long-term | dermal | systemic | 0,44 mg/kg bw/day |
| Consumer DNEL, long-term | inhalation | systemic | 0,08 mg/m ³ |
| Consumer DNEL, long-term | dermal | systemic | 0,22 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 0,05 mg/kg bw/day |

PNEC values

| CAS No | Substance | |
|--|---|--|
| Environmental compartment | Value | |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | |
| Freshwater | 0,034 mg/l | |
| Freshwater (intermittent releases) | 0,51 mg/l | |
| Marine water | 0,003 mg/l | |
| Freshwater sediment | 0,446 mg/kg | |
| Marine sediment | 0,045 mg/kg | |
| Secondary poisoning | 0,833 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 10 mg/l | |
| Soil | 17,6 mg/kg | |

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection:

- Eye glasses with side protection,
- goggles

Hand protection

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber),

Wearing time with permanent contact: Thickness of the glove material: $\geq 0,4$ mm, Breakthrough time: >480 min

Wearing time with occasional contact (splashes): Thickness of the glove material: $\geq 0,1$ mm, Breakthrough time: > 30 min

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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.

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Filtering device (full mask or mouthpiece) with filter: A-P2

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|---|----------------|---------------------------|
| Physical state: | Paste | |
| Colour: | white | |
| Odour: | characteristic | |
| Melting point/freezing point: | | not applicable |
| Boiling point or initial boiling point and boiling range: | | No data available |
| Flammability | | |
| Solid/liquid: | | No data available |
| Gas: | | No data available |
| Lower explosion limits: | | No data available |
| Upper explosion limits: | | No data available |
| Flash point: | | > 150 °C |
| Auto-ignition temperature: | | No data available |
| Decomposition temperature: | | No data available |
| pH-Value: | | not applicable |
| Viscosity / kinematic: (at 40 °C) | | > 20,5 mm ² /s |
| Water solubility: | | insoluble in: Water |
| Solubility in other solvents | | |
| not determined | | |
| Partition coefficient n-octanol/water: | | not applicable |
| Vapour pressure: | | not applicable |
| Density (at 25 °C): | | < 1 g/cm ³ |
| Relative vapour density: | | No data available |

9.2. Other information

Information with regard to physical hazard classes

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Explosive properties

not explosive according to EU A.14

Oxidizing properties

Not oxidising.

Other safety characteristics

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | | | | |
|------------|---|-------------------|---------|---------------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1982) | OECD Guideline 401 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (1988) | OECD Guideline 402 |

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

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Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

No data available

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | | | | | |
|------------|---|------------------|-----------|-------------------------|---------------------|--------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | | | |
| | Acute fish toxicity | LC50 > 100 mg/l | 96 h | Danio rerio | Study report (1988) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Desmodesmus subspicatus | Study report (2006) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 51 mg/l | 48 h | Daphnia magna | Study report (2004) | OECD Guideline 202 |
| | Fish toxicity | NOEC 10 mg/l | 34 d | Danio rerio | Study report (2020) | OECD Guideline 210 |
| | Crustacea toxicity | NOEC 4,45 mg/l | 21 d | Daphnia magna | Study report (2020) | OECD Guideline 211 |

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|---------|
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 7,11 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|---|-----|-----------------|---------------------|
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 411 | Cyprinus carpio | Study report (2000) |

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|--|
| <u>14.1. UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u> | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|--|--|
| <u>14.1. UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u> | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|--|--|
| <u>14.1. UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u> | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|--|
| <u>14.1. UN number or ID number:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u> | No dangerous good in sense of this transport regulation. |

14.5. Environmental hazards

| | |
|-----------------------------|--|
| ENVIRONMENTALLY HAZARDOUS: | No |
| Danger releasing substance: | No dangerous good in sense of this transport regulation. |

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

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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

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 4,5,6,7,8,9,11,12,16.

No information available.

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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effect concentration, 50 percent

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Relevant H and EUH statements (number and full text)

H361f Suspected of damaging fertility.

H412 Harmful to aquatic life with long lasting effects.

EUH210 Safety data sheet available on request.

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

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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.)