

Safety Data Sheet

according to Regulation (EC) No 1907/2006

BOGE FoodLub-H1 P

Revision: 01.01.2026

Product code: 599013

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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 | 1 - < 2.5 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | |

Further Information

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

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps. First aider: Pay attention to self-protection!
Symptoms can occur only after several hours.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.

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

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water fog. Extinguishing powder. Carbon dioxide. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:
Carbon dioxide (CO₂).
Carbon monoxide
Nitrogen oxides (NO_x).

5.3. Advice for firefighters

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Fight fire with normal precautions from a reasonable distance. May be harmful if inhaled. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

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General advice

Wear personal protection equipment. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

For non-emergency personnel

Special danger of slipping by leaking/spilling product.

For emergency responders

Self-protection of the first aider Remove affected person from the danger area and lay down . Do not leave affected person unattended. Remove all sources of ignition. Use appropriate respiratory protection.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Treat the recovered material as prescribed in the section on waste disposal .

Collect in closed containers for disposal.

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).

Clean contaminated articles and floor according to the environmental legislation.

Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

See protective measures under point 7 and 8.

Disposal: see section 13

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

Wash hands and face before breaks and after work and take a shower if necessary .

Avoid oil mist

Use only in well-ventilated areas.

When using do not eat, drink or smoke.

Further information on handling

High slip hazard because of leaking or spilled product.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place. Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5-40 °C

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Maximum period of storage (time): 3 Jahr

Further information on storage conditions

Protect from sunlight. Store in a well-ventilated place.

7.3. Specific end use(s)

Observe technical data sheet.

Reserved for industrial and professional use.

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 | 0,14 mg/m ³ |
| Consumer DNEL, long-term | dermal | systemic | 0,04 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 0,04 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 | |
| Marine water | 0,00338 mg/l | |
| Freshwater sediment | 0,446 mg/kg | |
| Marine sediment | 0,0446 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 10 mg/l | |
| Soil | 1,76 mg/kg | |

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

EN 166

Hand protection

Protect skin by using skin protective cream.
Wash hands before breaks and after work.

Skin protection

Chemical resistant safety shoes. Take off immediately all contaminated clothing.
Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Environmental exposure controls

Do not allow to enter into surface water or drains.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: yellow
 Odour: characteristic

| | Test method |
|---|-------------------------------------|
| Boiling point or initial boiling point and boiling range: | not determined |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Flash point: | >=240 °C DIN ISO 2592 |
| pH-Value: | not applicable |
| Viscosity / kinematic: (at 40 °C) | 100 mm ² /s ASTM D 7042 |
| Water solubility: | insoluble |
| Vapour pressure: (at 20 °C) | < 0,001 hPa |
| Density (at 20 °C): | 0,84 g/cm ³ EN ISO 12185 |

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known hazardous reactions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Protect against: heat.

10.5. Incompatible materials

The following must be prevented: Oxidizing agents, strong acid.

10.6. Hazardous decomposition products

Hazardous decomposition products: none

SECTION 11: Toxicological information

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

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.
 Data apply to the main component.

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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| 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 | ECHA | OECD 401 |
| | dermal | LD50 > 2000 mg/kg | Rat | ECHA | |

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: 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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: 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.

Additional information on tests

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the single components.

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

11.2. Information on other hazards

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.

SECTION 12: Ecological information

12.1. Toxicity

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

The statement is derived from the properties of the components.

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| 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 | OECD 203 | |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Desmodesmus subspicatus | OECD 201 | |
| | Acute crustacea toxicity | EC50 51 mg/l | 48 h | Daphnia magna | OECD 202 | |
| | Algae toxicity | NOEC 10-100 mg/l | 3 d | Algae | OECD 201 | |
| | Crustacea toxicity | NOEC 1,69 mg/l | 21 d | Daphnia magna | OECD 211 | |
| | Acute bacteria toxicity | EC50 > 100 mg/l () | | Bacteria | OECD 209 | |

12.2. Persistence and degradability

No information available.

| CAS No | Chemical name | | | |
|------------|---|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | | | |
| | OECD 301 B | 1% | 28 | |
| | Not easily bio-degradable (according to OECD-criteria). | | | |

12.3. Bioaccumulative potential

No information available.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|---------|
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | > 6,66 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|---|------|-----------------|--------|
| 68411-46-1 | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 1730 | Cyprinus carpio | MITI |

12.4. Mobility in soil

in delivery condition: liquid

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.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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.

12.7. Other adverse effects

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of contents/container to an appropriate recycling or disposal facility. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

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Non-contaminated packages may be recycled.

List of Wastes Code - residues/unused products

130206 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils; hazardous waste

List of Wastes Code - used product

130206 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

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

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

SECTION 8: Exposure controls/personal protection

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

National regulatory information

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Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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**

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

Abbreviations and acronyms

Repr. 2: Reproductive toxicity, hazard category 2
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
 IMDG: International Maritime Code for Dangerous Goods
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organization
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 VOC: Volatile Organic Compounds
 SVHC: Substance of Very High Concern

Relevant H and EUH statements (number and full text)

H361f Suspected of damaging fertility.
 EUH210 Safety data sheet available on request.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Abkürzungen und Akronyme siehe Verzeichnis unter <http://abk.esdscom.eu>

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(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)