

Safety Data Sheet

according to UK REACH Regulation

Guepo®flex Pruefschaum

Revision date: 17.02.2022

Product code: G101

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

1.1. Product identifier

Guepo®flex Pruefschaum

UFI: 0P80-90G5-V008-NS6C

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

Use of the substance/mixture

Leakage testing of pressure equipment. Foam-forming solution according to EN 14291.

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|----------------------------------|----------------------------|
| Company name: | Guepo GmbH | |
| Street: | Siemensstr. 13 | |
| Place: | D-77694 Kehl | |
| Telephone: | +49-7851-99477-0 | Telefax: +49-7851-99477-77 |
| e-mail: | email @guepo.de | |
| Contact person: | Manfred Schmitt-Bormann | |
| e-mail: | manfred.schmitt-bormann@guepo.de | |
| Internet: | www.guepo.de | |

1.4. Emergency telephone number: +49-170-5582282

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Aerosol 3; H229

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Signal word: Warning

Hazard statements

Pressurised container: May burst if heated.

Precautionary statements

Keep out of reach of children.

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

Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

| CAS No | Chemical name | | | Quantity |
|----------|------------------------------------|----------|----------|----------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 124-38-9 | Kohlendioxid | | | 1-2 % |
| | 204-696-9 | | | |
| | | | | |

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

Further Information

Please note the expiry date: 5 years

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water spray jet, Water spray, alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder**Unsuitable extinguishing media**

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

Aerosol propellants: CO₂**5.3. Advice for firefighters**

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

Additional information

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****General advice**

Use personal protection equipment.

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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

7.1. Precautions for safe handling

Advice on safe handling

Do not pierce or burn, even after use.

Advice on protection against fire and explosion

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Do not store together with: Oxidising agent, strong, Explosive hazardous substances (TRGS 510)

7.3. Specific end use(s)

Leak test of pressurized installations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|----------------|-------|-------------------|-----------|---------------|--------|
| 124-38-9 | Carbon dioxide | 5000 | 9150 | | TWA (8 h) | WEL |
| | | 15000 | 27400 | | STEL (15 min) | WEL |

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

The product will be applied by spraying. Eye glasses with side protection

Hand protection

By long-term hand contact: Hand protection. Suitable material: NBR (Nitrile rubber).

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Skin protection

working clothes

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Aerosol
 Colour: colourless
 Odour: characteristic

Changes in the physical state

Melting point/freezing point: ca. 0 °C
 Boiling point or initial boiling point and boiling range: ca. 100 °C
 Flash point: >63 °C

Flammability

Solid/liquid: not applicable
 Gas: not applicable

Explosive properties

not Explosive.

Lower explosion limits: not determined
 Upper explosion limits: not determined

Self-ignition temperature

Solid: not applicable
 Gas: not applicable

Decomposition temperature: not determined

pH-Value: 6,5

Water solubility: easily soluble

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Vapour pressure: (Active agent) 6,1 hPa
 (at 0 °C)

Vapour pressure: (Active agent) 23 hPa
 (at 20 °C)

Density: 1 g/cm³

Relative vapour density: not determined

9.2. Other information

Information with regard to physical hazard classes

Oxidizing properties
 Not oxidising.

Other safety characteristics

Solid content: not determined
 Evaporation rate: not determined

Further Information

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Surface tension < 30 mN/m

Note: Most physical properties above are for the oil component in the material.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

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

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Protect against: frost.

10.5. Incompatible materials

Oxidizing agents, strong. Reacts with :

Reacts with : Alkali metals, Alkaline earth metal,

10.6. Hazardous decomposition products

No known hazardous decomposition products. Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

Irritation and corrosivity

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

Toxicologically harmless according to EN 14291.

Sensitising effects

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

Toxicologically harmless according to EN 14291.

Carcinogenic/mutagenic/toxic effects for reproduction

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

Toxicologically harmless according to EN 14291.

STOT-single exposure

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

Toxicologically harmless according to EN 14291.

STOT-repeated exposure

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

Toxicologically harmless according to EN 14291.

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

12.2. Persistence and degradability

Product is biodegradable.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

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12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

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

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.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

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

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging

Completely emptied packages can be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)**

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.2 |

| | |
|--------------------------|-----------------|
| Classification code: | 5A |
| Special Provisions: | 190 327 344 625 |
| Limited quantity: | 1 L |
| Excepted quantity: | E0 |
| Transport category: | 3 |
| Tunnel restriction code: | E |

Inland waterways transport (ADN)

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.2 |

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Classification code: 5A
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2, see SP63

Special Provisions: 63, 190, 277, 327, 344, 381, 959
 Limited quantity: See SP277
 Excepted quantity: E0
 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS, non-flammable
14.3. Transport hazard class(es): 2.2
14.4. Packing group: -
 Hazard label: 2.2

Special Provisions: A98 A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203
 Excepted quantity: E0
 IATA-packing instructions - Passenger: 203
 IATA-max. quantity - Passenger: 75 kg
 IATA-packing instructions - Cargo: 203
 IATA-max. quantity - Cargo: 150 kg

14.6. Special precautions for user

No information available.

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****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2004/42/EC (VOC): 0,00004%

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Aerosol directive (75/324/EEC).

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National regulatory information

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**

This data sheet contains changes from the previous version in section(s): 15,16.

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|-----------------|--------------------------|
| Aerosol 3; H229 | On basis of test data |

Relevant H and EUH statements (number and full text)

Pressurised container: May burst if heated.

Further Information

DIN DVGW Reg.Nummer: NG-5170AR0801

Certified and tested in accordance to EN 14291. Type-examination and annual monitoring examinations by Engler-Bunte-Institut, KIT Karlsruhe.

Customs Tariff Number: 3402 5010

National inventories: not listed

Technical information:

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