

Multi-Function Foam Cleaner

Revision date: 18.08.2016

Product code: 1609

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

1.1. Product identifier

Multi-Function Foam Cleaner

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

Use of the substance/mixture

Cleaning agent.

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|---------------------------|--------------------------------|
| Company name: | CTP GmbH | |
| Street: | Saalfelder Strasse 35h | |
| Place: | D-07338 Leutenberg | |
| Telephone: | +49 (0)36734 230-0 | Telefax: +49 (0)36734 230-22 |
| e-mail: | msds@bluechemgroup.com | |
| Contact person: | Jens Moeller, Dipl.-Chem. | Telephone: +49 (0)36734 230-19 |
| Internet: | www.bluechemgroup.com | |

1.4. Emergency telephone number:

For Germany: +49-361-730730 (24 hours/7 days)

Further Information

Article Number: 2995

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 1

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H319 | Causes serious eye irritation. |

Precautionary statements

| | |
|------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P280 | Wear protective gloves and eye/face protection. |

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Anionic tenside
Fragrances

Hazardous components

| CAS No | Chemical name | | | Quantity |
|----------|---|----------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 106-97-8 | Butane | | | 15 - < 20 % |
| | 203-448-7 | | 01-2119474691-32 | |
| | Flam. Gas 1, Compressed gas; H220 H280 | | | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | 10 - < 15 % |
| | 200-661-7 | | 01-2119457558-25 | |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 | | | |
| 74-98-6 | propane | | | 5 - < 10 % |
| | 200-827-9 | | 01-2119486944-21 | |
| | Flam. Gas 1, Compressed gas; H220 H280 | | | |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down.
Change contaminated clothing.

After inhalation

Provide fresh air. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, seek medical treatment.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.
Irritation of eyes: Irritant effect possible.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

The following symptoms may occur:
unconsciousness. Intoxication. vomiting. drowsiness. Headache.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder.
Carbon dioxide (CO₂).
Water fog.
alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Swims on the water. Vapours are heavier than air and will spread at floor level.

5.3. Advice for firefighters

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

Additional information

Cool endangered container in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable solvent-proof protective clothing according to EN 465. Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes.
Do not breathe gas/fumes/vapour/spray.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

Explosive. Vapours may form explosive mixtures with air.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep only in the original container in a cool, well-ventilated place.
If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

The floor should be leak tight, jointless and not absorbent. Keep only in the original container in a cool, well-ventilated place. Do not store at temperatures over: 50 °C
Heating causes rise in pressure with risk of bursting.

7.3. Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|----------|---|------|-------------------|---------------------|---------------|--------|
| 106-97-8 | Aliphatic hydrocarbon gases, Alkanes (C1-C4), Butane | 1000 | - | - | TWA (8 h) | |
| | | - | - | - | STEL (15 min) | |
| 74-98-6 | Aliphatic hydrocarbon gases, Alkanes (C1-C4), Propane | 1000 | - | - | TWA (8 h) | |
| | | - | - | - | STEL (15 min) | |
| 67-63-0 | Isopropyl alcohol | 200 | - | - | TWA (8 h) | |
| | | 400 | - | - | STEL (15 min) | |

Biological limit values

| CAS No | Substance | Parameter | Value | Test material | Sampling time |
|---------|------------|-----------|---------|---------------|---------------------------------|
| 67-63-0 | 2-Propanol | Acetone | 40 mg/L | Urine | End of shift at end of workweek |

8.2. Exposure controls

Protective and hygiene measures

Keep away from food, drink and animal feedingstuffs.

Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work.

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

Eye/face protection

Wear tightly sealed safety glasses against possible splashes into the eyes.

Hand protection

Tested protective gloves are to be worn:

FKM (Fluoroelastomer (Viton)).

NBR (Nitrile rubber).

Respiratory protection

Have to care for a good Ventilation at workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|---------|
| Physical state: | Aerosol |
| Colour: | white |
| Odour: | lemon. |

Test method

Changes in the physical state

Lower explosion limits: 1,5 vol. %

Upper explosion limits: 11,2 vol. %

Vapour pressure:
(at 20 °C) 3,5 hPa

Vapour pressure:
(at 50 °C) 6,5 hPa

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Density (at 20 °C):

0,86 g/cm³

Water solubility:
(at 20 °C)

easily soluble.

9.2. Other information

No data

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No decomposition when used as intended.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Do not store at temperatures over: 50 °C

Keep away from heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No dangerous reactions are known.

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| CAS No | Chemical name | | | | |
|---------|---|------|-------------|---------|--------|
| | Exposure route | Dose | | Species | Source |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | oral | LD50 | 5280 mg/kg | Rat | |
| | dermal | LD50 | 12800 mg/kg | Rabbit | |
| | inhalative (4 h) vapour | LC50 | 47,5 mg/l | Rat | |

Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

SECTION 12: Ecological information

12.1. Toxicity

| CAS No | Chemical name | | | | |
|---------|---|-----------------|-----------|---------------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | Acute fish toxicity | LC50 9640 mg/l | 96 h | Pimephales promelas | |
| | Acute algae toxicity | ErC50 1000 mg/l | 72 h | Algae | |
| | Acute crustacea toxicity | EC50 13299 mg/l | 48 h | Daphnia magna | |

12.2. Persistence and degradability

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No information available.

12.3. Bioaccumulative potential

Swims on the water.

Low potential of bio-accumulation.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|---------------|---------|
| 74-98-6 | propane | 2,36 |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

Further information

Do not empty into drains or the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Arrange about the exact waste code with the local waste disposal expert.

Do not dispose with household waste.

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances
Classified as hazardous waste.

Contaminated packaging

Dispose of waste according to applicable legislation. Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 1950

14.2. UN proper shipping name:

AEROSOLS
Propane/butane-mixture

14.3. Transport hazard class(es):

2

14.4. Packing group:

-

Hazard label:

2.1



Classification code:

5F

Special Provisions:

190 327 344 625

Limited quantity:

1 L

Excepted quantity:

E0

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Transport category: 2
Hazard No: -
Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
Propane/butane-mixture
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1



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

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
Propane/butane-mixture
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1



Marine pollutant: -
Special Provisions: 63, 190, 277, 327, 344, 959
Limited quantity: 1000 mL
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
Propane/butane-mixture
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1



Special Provisions: 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

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IATA-packing instructions - Cargo:

203

IATA-max. quantity - Cargo:

150 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

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 28: Butane

2004/42/EC (VOC): 268 g/l

Additional information

Contains:

< 5 % anionic surfactants

< 0,5 % perfumes

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

| | |
|------|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

Further Information

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

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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