



Air Condition Foam Cleaner

Print date: 28.10.2011

Product code: 193

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Chemical characterization

Cleaning agent
Odour adsorber
chelating agent

Aerosol propellant:
Propane/butane-mixture

Hazardous components

| EC No. | Chemical name | Quantity |
|--------------|--|-----------|
| CAS No. | Classification | |
| Index No. | GHS classification | |
| REACH No. | | |
| 203-448-7 | butane | 15 - 20 % |
| 106-97-8 | F+ R12 | |
| 601-004-00-0 | Flam. Gas 1; H220 | |
| 200-827-9 | propane | 5 - 10 % |
| 74-98-6 | F+ R12 | |
| 601-003-00-5 | Flam. Gas 1; H220 | |
| 270-325-2 | N-Alkyl(C12-16)-N,N-dimethyl-N-benzyl ammonium chloride | < 1 % |
| 68424-85-1 | C, Xn, N R22-34-50 | |
| | Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1; H302 H314 H400 | |

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

After inhalation

Provide fresh air.

After contact with eyes

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid.
In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water.

Most important symptoms and effects, both acute and delayed

Irritation of eyes: Irritant effect possible.
: Vapours may cause drowsiness and dizziness.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

All extinguishing media practicable.

Special hazards arising from the substance or mixture

The product itself is not combustible.

Additional information

Contaminated fire-fighting water must be collected separately.
Contaminated fire-fighting water must not get into the sewerage network.

SECTION 6: Accidental release measures



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Environmental precautions

Provide for good ventilation, when develop aerosols/mist.
Keep away from heat.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

SECTION 7: Handling and storage

Precautions for safe handling

Advice on protection against fire and explosion

No decomposition when used as intended.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect against: frost.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

| CAS No. | Chemical name | ml/m ³ | mg/m ³ | F/ml | Category | Origin |
|----------|---------------|-------------------|-------------------|------|---------------|--------|
| 106-97-8 | Butane | 600 | 1450 | | TWA (8 h) | WEL |
| | | 750 | 1810 | | STEL (15 min) | WEL |

Exposure controls

Protective and hygiene measures

When using do not eat, drink or smoke.
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

Hand protection

Wear suitable gloves.

Eye protection

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

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Aerosol
Colour: colourless
Odour: perfumed

Test method

pH-Value (at 20 °C): 10,5

Changes in the physical state

Flash point: not applicable

Vapour pressure:
(at 20 °C) < 12 hPa

Density: 1,00 - 1,01 g/cm³

Water solubility:
(at 20 °C) highly soluble.



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SECTION 10: Stability and reactivity

Conditions to avoid

No decomposition when used as intended.
Do not store at temperatures under: 3 °C

Incompatible materials

Oxidizing agents, strong.
strong acids

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

| CAS No. | Chemical name | Exposure routes | Method | Dose | Species | h |
|------------|---|-----------------|------------|------|---------|---|
| 106-97-8 | butane | | | | | |
| | Acute inhalation toxicity | LC50 | 658 ppm | | Ratte | 4 |
| 68424-85-1 | N-Alkyl(C12-16)-N,N-dimethyl-N-benzyl ammonium chloride | | | | | |
| | Acute oral toxicity | LD50 | 344 mg/kg | | rat. | |
| | Acute dermal toxicity | LD50 | 3340 mg/kg | | Rabbit. | |

SECTION 12: Ecological information

Toxicity

| CAS No. | Chemical name | Aquatic toxicity | Method | Dose | Species | h |
|------------|---|------------------|------------|------|---------------------|----|
| 68424-85-1 | N-Alkyl(C12-16)-N,N-dimethyl-N-benzyl ammonium chloride | | | | | |
| | Acute fish toxicity | LC50 | 0,93 mg/l | | Oncorhynchus mykiss | 96 |
| | Acute crustacea toxicity | EC50 | 0,016 mg/l | | Daphnia magna | 48 |

Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No. | Chemical name | Log Pow |
|----------|---------------|---------|
| 106-97-8 | butane | 2,89 |

SECTION 13: Disposal considerations

Waste treatment methods

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of used product

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Contaminated packaging


Waste disposal according to official state regulations.
Cleaned containers may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: UN1950
UN proper shipping name: AEROSOLS
Propane/butane-mixture
Transport hazard class(es): 2
Packing group: -
Hazard label: 2.1

Classification code: 5F
Special Provisions: 190 327 344 625
Limited quantity: 1 L
Transport category: 2
Hazard-no.: -
Tunnel restriction code: D

Inland waterways transport

UN number: UN1950
UN proper shipping name: AEROSOLS
Propane/butane-mixture
Transport hazard class(es): 2
Packing group: -
Hazard label: 2.1

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

Marine transport

UN number: UN1950
UN proper shipping name: AEROSOLS
Propane/butane-mixture
Transport hazard class(es): 2
Packing group: -
Hazard label: 2, see SP63

Marine pollutant: -
Special Provisions: 63, 190, 277, 327, 344, 959

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Limited quantity: See SP277
EmS: F-D, S-U

Air transport

UN/ID number: UN1950
UN proper shipping name: AEROSOLS, flammable
Propane/butane-mixture
Transport hazard class(es): 2.1
Packing group: -
Hazard label: 2.1



Special Provisions: A145 A167
Limited quantity Passenger: 30 kg G
IATA-packing instructions - Passenger: 203
IATA-max. quantity - Passenger: 75 kg
IATA-packing instructions - Cargo: 203
IATA-max. quantity - Cargo: 150 kg

Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Contains:
Preservatives.

National regulatory information

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

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

12 Extremely flammable.
22 Harmful if swallowed.
34 Causes burns.
50 Very toxic to aquatic organisms.

Full text of H-Statements referred to under sections 2 and 3

H220 Extremely flammable gas.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

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.)