

* Lizerna Carat

Date revised: 04.03.2024

8770091501

Version: 3 / GB

Master No. MA-211

Print date: 17.04.2024

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

1.1. Product identifier

Trade name

Lizerna Carat

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

Use of the substance/mixture

Textile finish

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

BÜFA Cleaning GmbH & Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail sds-cleaning@buefa.de

1.4. Emergency telephone number

Poison Information Center Goettingen: +49 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008**Hazard pictograms****Signal word**

Warning

Hazard statements

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P280.9 Wear eye protection.

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.

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2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

Isotridecanol, ethoxylated

| | |
|------------------|----------------------|
| CAS No. | 69011-36-5 |
| EINECS no. | 931-138-8 |
| Registration no. | IRRELEVANT (POLYMER) |
| Concentration | >= 1 < 3 % |
| Acute Tox. 4 | H302 |
| Eye Dam. 1 | H318 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | | |
|-----|--------------|------|------------|
| | Eye Irrit. 2 | H319 | > 1 < 10 % |
| | Eye Dam. 1 | H318 | >= 10 % |
| ATE | oral | 500 | mg/kg |

alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16))

| | |
|-------------------|---------------|
| CAS No. | 68424-85-1 |
| EINECS no. | 270-325-2 |
| Concentration | >= 0,25 < 1 % |
| Acute Tox. 4 | H302 |
| Skin Corr. 1B | H314 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 1 | H410 |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | | |
|--|-----------------|------|--------|
| | Aquatic Acute 1 | H400 | M = 10 |
|--|-----------------|------|--------|

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

There is no further relevant information available

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

There is no further relevant information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

5.3. Advice for firefighters

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Observe the usual precautions for handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Emptied containers may contain product residues and therefore must be handled with care. Reuse only after appropriate cleaning. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

List

There is not known any national exposure limit.

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

Respiratory protection

Not necessary.

Hand protection

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Chemical resistant gloves

| | | | |
|----------------------|---------|-----|-----|
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,6 | mm |
| Breakthrough time | > | 480 | min |

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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.

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | | | |
|--|------------------|--|------|
| Physical state | liquid | | |
| Colour | yellow to brown | | |
| Odour | Product specific | | |
| Melting point | | | |
| Remarks | not determined | | |
| Boiling point | | | |
| Value | 100 | | °C |
| Flammability | | | |
| evaluation | not determined | | |
| Explosion limits | | | |
| Remarks | not determined | | |
| Flash point | | | |
| Value | > 100 | | °C |
| Ignition temperature | | | |
| Remarks | not determined | | |
| Thermal decomposition | | | |
| Remarks | Not relevant | | |
| pH value | | | |
| Value | appr. 4,7 | | |
| Viscosity | | | |
| Value | appr. 11 | | s |
| Method | DIN 53211 4 mm | | |
| Solubility in other solvents | | | |
| | not determined | | |
| Octanol/water partition coefficient (log Pow) | | | |
| Remarks | Not relevant | | |
| Vapour pressure | | | |
| Remarks | not determined | | |
| Density | | | |
| Value | appr. 1,05 | | kg/l |
| Vapour density | | | |
| Remarks | not determined | | |
| Particle characteristics | | | |

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Remarks irrelevant (liquid)

9.2. Other information**Odour threshold**

Remarks No data available

Solubility in water

Remarks miscible

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

Thermal decomposition

Remarks Not relevant

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

| | | | |
|---|--|--------|-------|
| ATE | > | 10.000 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |
| Based on available data, the classification criteria are not met. | | | |

Acute oral toxicity (Components)**Isotridecanol, ethoxylated**

| | | |
|--------|-----------------|-------|
| ATE | 500 | mg/kg |
| Source | Estimated value | |

alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16))

| | | | |
|---------------------|--|-------|--|
| Reference substance | alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) | | |
| Species | rat | | |
| LD50 | 397,5 | mg/kg | |

Acute dermal toxicity

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

Acute dermal toxicity (Components)**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16))**

| | | | |
|---------------------|--|-------|--|
| Reference substance | alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) | | |
| Species | rabbit | | |
| LD50 | 3412 | mg/kg | |

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

evaluation irritant
The classification criteria are met.

Sensitization

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)**Single exposure**

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

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 with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity****alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16))**

| | |
|---------------------|--|
| Reference substance | alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16)) |
| LC50 | 0,515 mg/l |

Daphnia toxicity**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16))**

| | |
|----------------------|---------------|
| Species | Daphnia magna |
| EC50 | 0,016 mg/l |
| Duration of exposure | 48 h |

Algae toxicity

For this subsection there is no ecotoxicological data available on the product as such.

Bacteria toxicity

For this subsection there is no ecotoxicological data available on the product as such.

12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Biodegradability**alkyl (c12-16) dimethylbenzyl ammonium chloride (adbac/bkc (c12-16))**

evaluation Readily biodegradable (according to OECD criteria)

12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

Octanol/water partition coefficient (log Pow)

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Remarks

Not relevant

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The product contains no PBT substances. The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG/GGVSee |
|----------------------------------|--|---|
| 14.1. UN number | The product does not constitute a hazardous substance in land transport. | The product does not constitute a hazardous substance in sea transport. |
| 14.2. UN proper shipping name | - | - |
| 14.3. Transport hazard class(es) | - | - |
| 14.4. Packing group | - | - |
| Label | | |
| 14.5. Environmental hazards | - | |

Information for all modes of transport

14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

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SECTION 15: Regulatory information ***

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

Ingredients (Regulation (EC) No 648/2004)

less than 5 %:

non-ionic surfactants, cationic surfactants

Further ingredients ***

perfumes, Alpha Methyl Ionone, coumarin, Hexyl Cinnamal

VOC ***

VOC (EU) 0,01 %

Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|-------------------|------|--------------------|
| Eye Irrit. 2 | H319 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

Hazard statements listed in Chapter 2/3

| | |
|------|---|
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

CLP categories listed in Chapter 2/3

| | |
|-------------------|---|
| Acute Tox. 4 | Acute toxicity, Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Eye Dam. 1 | Serious eye damage, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Skin Corr. 1B | Skin corrosion, Category 1B |

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
 GGVSee: Gefahrgutverordnung See
 IMDG: International Maritime Code for Dangerous Goods
 CAS: Chemical Abstracts Service
 EAK: Europäischer Abfallkatalog
 EINECS: European Inventory of Existing Commercial Chemical Substances
 VOC: Volatile Organic Compound
 GefStoffV: Gefahrstoffverordnung
 TA Luft: Technische Anleitung zur Reinhaltung der Luft
 INCI: International Nomenclature of Cosmetic Ingredients
 n.a.g.: nicht anders genannt
 MAK: Maximale Arbeitsplatz-Konzentration

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AGW: Arbeitsplatzgrenzwert
BGW: Biologischer Grenzwert
TRGS: Technische Regeln für Gefahrstoffe
OEL: Occupational exposure limit
SUVA: Schweizerische Unfallversicherungsanstalt
WEL: Workplace exposure limit
MAC: Maximale aanvaarde concentratie (Netherlands)
MEL: Maximum exposure limits
NOEL: No observable effect level
NOEC: No observable effect concentration
LD: Lethal dose
LC: Lethal concentration
LLC: Lowest lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
DNEL: Derived no effect level
DMEL: Derived minimal effect level
PNEC: Predicted no effect concentration
PEC: Predicted environmental concentration
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations
EG: Europäische Gemeinschaft
EWG: Europäische Wirtschaftsgemeinschaft
EU: European Union
HSNO: Hazardous Substances and New Organisms Act (New Zealand)
ATE: Acute Toxicity Estimate
STOT: Specific Target Organ Toxicity

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.