

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

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

1.1. Product identifier

carafom flex

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

Use of the substance/preparation

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address:

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
D-20539 Hamburg
Telephone no. +49 40 789 60 0
Fax no. +49 40 789 60 120
www.drweigert.com

E-mail address of person responsible for this SDS:

sida@drweigert.de

1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard statements

EUH210 Safety data sheet available on request.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

Propan-2-ol

| | | | | | |
|--|------------------|---|---|---|------|
| CAS No. | 67-63-0 | | | | |
| EINECS no. | 200-661-7 | | | | |
| Registration no. | 01-2119457558-25 | | | | |
| Concentration | >= 1 | < | 5 | % | |
| Classification (Regulation (EC) No. 1272/2008) | | | | | |
| | Flam. Liq. 2 | | | | H225 |
| | Eye Irrit. 2 | | | | H319 |
| | STOT SE 3 | | | | H336 |

sodium lauryl ether sulfate

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

CAS No. 68891-38-3
EINECS no. 500-234-8
Registration no. 01-2119488639-16
Concentration ≥ 1 < 5 %
Classification (Regulation (EC) No. 1272/2008)
Eye Dam. 1 H318
Skin Irrit. 2 H315
Aquatic Chronic 3 H412

Concentration limits (Regulation (EC) No. 1272/2008)
Eye Dam. 1 H318 ≥ 10 %
Eye Irrit. 2 H319 $\geq 5 < 10$ %

2-(2-Butoxyethoxy)ethanol

CAS No. 112-34-5
EINECS no. 203-961-6
Registration no. 01-2119475104-44
Concentration ≥ 1 < 5 %
Classification (Regulation (EC) No. 1272/2008)
Eye Irrit. 2 H319

oxirane, 2-methyl, polymer with oxirane, mono(2-propylheptyl)ether

Registration no. 02-2119630747-33-0000
Concentration ≥ 1 < 5
Classification (Regulation (EC) No. 1272/2008)
Skin Irrit. 2 H315
Eye Irrit. 2 H319

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

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

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

cariform flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

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

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value > 0 < 30 °C

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Storage class according to TRGS 510

Storage class according to TRGS 510 10-13 Other combustible and non-combustible substances

Further information on storage conditions

Keep container tightly closed and dry.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Propan-2-ol

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

| | | | | |
|---------------------------|------|-------------------|-----|--------|
| List | EH40 | | | |
| Type | WEL | | | |
| Value | 999 | mg/m ³ | 400 | ppm(V) |
| Short term exposure limit | 1250 | mg/m ³ | 500 | ppm(V) |
| Status: | 2011 | | | |

2-(2-Butoxyethoxy)ethanol

| | | | | |
|---------------------------|-------|-------------------|----|--------|
| List | EH40 | | | |
| Type | WEL | | | |
| Value | 67.5 | mg/m ³ | 10 | ppm(V) |
| Short term exposure limit | 101.2 | mg/m ³ | 15 | ppm(V) |
| Status: | 2011 | | | |

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Chemical resistant gloves (EN 374)

| | | | |
|----------------------|-------------------------|------|-----|
| Use | Permanent hand contact | | |
| Appropriate Material | neoprene | | |
| Material thickness | >= | 0,65 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,4 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | butyl | | |
| Material thickness | >= | 0,7 | mm |
| Breakthrough time | > | 480 | min |
| Use | Short-term hand contact | | |
| Appropriate Material | nitrile | | |
| Material thickness | >= | 0,11 | mm |

Eye protection

Safety glasses with side protection shield (EN 166)

Body protection

Not necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|------------------------|----------------|-----|----|
| Form | liquid | | |
| Colour | blue-green | | |
| Odour | characteristic | | |
| Odour threshold | | | |
| Remarks | not determined | | |
| pH value | | | |
| Value | appr. | 9,6 | |
| Temperature | | 20 | °C |
| Melting point | | | |

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Remarks not determined

Flash point

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Flammability (solid, gas)

evaluation not determined

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

Remarks not determined

Density

Value appr. 1,01 g/cm³
 Temperature 20 °C

Solubility in water

Remarks miscible in all proportions

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

dynamic

Value < 1000 mPa.s
 Temperature 20 °C

Explosive properties

evaluation not determined

Oxidising properties

evaluation None known

9.2. Other information

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

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

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

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

| | |
|---------|--|
| Species | rat |
| LD50 | > 2000 mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) |

Acute dermal toxicity

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

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

| | |
|------------|---|
| evaluation | slight irritant effect - does not require labelling |
| Method | OECD 405 |

Sensitization

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

Subacute, subchronic, chronic toxicity

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Remarks not determined

Aspiration hazard

No special hazards have to be mentioned.

Other information

There is no data available on the product apart from the information given in this subsection.

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

sodium lauryl ether sulfate

| | | | |
|---------|---------------------------------------|----|----------|
| Species | golden orfe (<i>Leuciscus idus</i>) | | |
| LC50 | 10 | to | 100 mg/l |
| Method | ISO 7346 | | |

Daphnia toxicity (Components)

sodium lauryl ether sulfate

| | | | |
|---------|---------------|----|----------|
| Species | Daphnia magna | | |
| EC50 | 10 | to | 100 mg/l |
| Method | OECD 202 | | |

Algae toxicity (Components)

sodium lauryl ether sulfate

| | | | |
|---------|-------------------------|--|------|
| Species | Scenedesmus subspicatus | | |
| EC50 | > 100 | | mg/l |
| Method | OECD 201 | | |

Bacteria toxicity (Components)

sodium lauryl ether sulfate

| | | | |
|---------|--------------------|--|------|
| Species | Pseudomonas putida | | |
| EC0 | > 100 | | mg/l |
| Method | OECD 209 | | |

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Evaluation of persistence and bioaccumulation potential

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

General information

not determined

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

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

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|-----------------|------------------------|---|---|
| 14.1. UN number | Non-dangerous goods | The product does not constitute a hazardous substance in sea transport. | The product does not constitute a hazardous substance in air transport. |

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

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

Not applicable

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 %:

anionic surfactants, non-ionic surfactants

Further ingredients

perfumes, preservation agents: 2-Phenoxyethanol

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 1

Remarks Classification according to Annex 4 VwVwS

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

carafom flex

Version: 1 / GB

Replaces Version: - / GB

Date revised: 29.05.2017

Print date: 02.06.17

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H412 | Harmful to aquatic life with long lasting effects. |

CLP categories listed in Chapter 3

| | |
|-------------------|--|
| 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 |
| Flam. Liq. 2 | Flammable liquid, Category 2 |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, Category 3 |

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.