

SAFETY DATA SHEET

According to EC regulations 1907/2006 (REACH), 1272/2008 (CLP) and 453/2010

Updated on: 01.03.2012

Cancels and replaces: 01.06.2011

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

1.1. Product identifier

Product Name **CARLYLOC - 500 / 5000 / 25000**
REACH Registration No. No required

1.2. Relevant identified uses of the substance or mixture and uses advised against **Identified use(s):** Leak detector for refrigerating and air conditioning systems
Uses advised against: Nothing know

1.3. Details of the supplier of the safety data sheet

CARLY
Zone Industrielle de Braille - 69380 Lissieu – France
www.carly-sa.com - Telephone: +33 (0) 478 476 120 - Fax: +33 (0) 478 473 698
E-mail address of person responsible for the Safety Data Sheet info@carly-sa.com

1.4. Emergency telephone number

Poison Centre INRS - Telephone: 01 45 42 59 59 in France
Emergency telephone - company +33 (0) 472 549 881 or +33 (0) 472 549 898 – Telephone numbers to be used only during the opening office hours from Monday to Friday.

SECTION 2: Hazards identification

The mixture is regulated according to Directive 1999/45/EC, their adaptations and annexes.

2.1. Classification of the substance or mixture According to Directive 1999/45/EC:
Not restricted

2.2. Label elements According to Directive 1999/45/EC:
Warning statement None

Hazard Pictogram None

R Phrases None

S Phrases S2 - Keep out of reach of children
S23 - Do not breathe vapour
S35 - This material and its container must be disposed of in a safe way
S51 - Use only in well-ventilated areas.

Safety, health and environment classification are given by the following ingredients:
-

2.3. Other hazards None to our knowledge.

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SECTION 3: Composition / Information on ingredients

3.2. Mixture

Chemical nature

Aqueous mixture of surfactants and alkaline agents

EC Classification No. 1272/2008/EC

Hazardous ingredients	CAS No.	EC No.	EINECS No.	Hazard pictograms Hazard statement	REACH Regulation No.	% W/W
-	-	-	-	-	-	-

EC Classification No. 67/548/EEC

Hazardous ingredients	CAS No.	EC No.	EINECS No.	Hazard pictograms Hazard statement	REACH Regulation No.	% W/W
-	-	-	-	-	-	-

SECTION 4: First aid measures

In all case, where there is any doubt or if the symptoms persist, always consult a doctor.

4.1. Description of first aid measures

Inhalation: If the person feels unwell, move the affected person to the fresh air.

Skin contact: Wash with plenty of water.

Eye contact: Rinse, pulling the eyelids well away from the eye, at least 10 minutes.

Ingestion: Rinse out mouth with water. NEVER attempt to induce vomiting. Keep the person quite and resting, call a doctor, and show him the packaging or the label. Never give an unconscious person anything to drink.

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

Inhalation: There may be irritation of the throat and be coughing.

Skin contact: There may be irritation and redness.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

4.3. Indication of immediate medical attention and special treatment needed

No immediate medical attention and no particular treatment are required in case of exposure.

SECTION 5: Fire-fighting measures

5.1. Extinguishing Media

Suitable Extinguishing Media: All extinguishing media are suitable.

Unsuitable Extinguishing Media: None. In case of fire, use extinguishing media appropriated to surrounding areas.

5.2. Special hazards arising from the substance or mixture

Aqueous liquid, non-flammable does not present any particular risk in the event of a fire.

5.3. Advice for fire-fighters

Special protection equipments: -

Additional indications: Do not dispose fire-fighting water in the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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6.2. Environmental precautions

For a spillage contain the spilled material by bunding.

Do not discharge into drains and rivers.

Do not allow product to spread into the environment.

Eliminate as stipulated in current local and national laws.

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SECTION 6: Accidental release measures (continued)

- 6.3. Methods and material for containment and cleaning up** Recovery: Use inert absorbent material.
Collect up the product and place it in a spare container correctly labeled.
Keep recovered product for subsequent disposal.
- Absorb non-recoverable liquid with:
- dry sand
- saw-dust or an inert absorbent material
Do not discharge into drains or waterways without neutralizing.
- Cleaning / decontamination: Wash with large amounts of water the contaminated area.
- 6.4. Reference to other sections** Individual protection equipment: see section 8.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling** Avoid all excessive inhalation, prolonged contact with the skin, all contact with the eyes.
Do not eat and drink during use. Do not swallow.
Always wash your hands immediately after handling this product, and once again before leaving the workplace.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep at room temperature (between 5 and 40°C)
Store: in a hermetically closed plastic container (original packaging), in cooled and well-ventilated area.
Storage life: stable under normal conditions.
- Incompatible materials: Strong acids and oxidizing agents.
- 7.3. Specific end use(s)** Primarily used for detecting the leak in refrigerating and air conditioning systems.

SECTION 8: Exposure controls / Personal protection

- 8.1. Control parameters** **Occupational exposure limits**
-
- 8.2. Exposure controls** **Technical measures of protection**
Ensure that the area is sufficiently ventilated.
- Personal protective equipment**
- Respiratory protection: -
- Skin protection: -
- Eye/face protection: -
- Body protection: Suitable protective clothing.

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties** **General information**
- | | |
|-----------------|--------------------|
| Form | Liquide |
| Appearance | Clear |
| Colour | Fluorescent yellow |
| Odour | - |
| Odour threshold | No data available |

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SECTION 9: Physical and chemical properties (continued)

Information on basic physical and chemical properties	Important information for health, safety and environment
	pH at 20°C 10.0 ± 0.2
	Melting point (°C) > 0
	Boiling point (°C) > 90
	Flash point (°C) > 60
	Evaporation rate No data available
	Solid/gas flammability (°C) Not applicable
	Explosive limit (% vol), lower upper Not applicable
	Vapour pressure (hPa) à 20°C No data available
	Relative vapour density (air=1) No data available
	Density altitude at 20°C 1000 kg/m ³
	Solubility in water Miscible in all proportions
	Partition Coefficient (n-octanol/eau) No data available
	Auto ignition temperature Not applicable
	Decomposition temperature No data available
	Viscosity (mPa.s) at 20°C No data available
	Explosive properties Not applicable
	Combustive properties Not applicable

9.2. Other information No other relevant Physico-Chemical properties are known about this mixture to the best of our knowledge at this time.

SECTION 10: Stability and reactivity

10.1. Reactivity	No dangerous reactions know under normal conditions of use
10.2. Chemical stability	Stable under normal conditions of storage and use (ambient temperature)
10.3. Possiility of hasardous reactions	No data available
10.4. Conditions to avoid	Heat
10.5. Incompatible materials	Strong acids and oxidizing agents
10.6. Hazardous decomposition products	Possible mixture decomposition at high temperature: toxic smoke formation

SECTION 11: Toxicological information

11.1. Information on toxicological effects	We have no quantitative data about the mixture toxicity. Acute toxicity Diethanolamide: DL50-dermale-rabbit: >2000mg/kg ; DL50-oral-rat: >5000mg/kg Benzenesulfonic acid: DL50-oral-rat: >200-2000mg/kg (OCDE 401) SodiumLaurylSulfate: DL50-oral-rat: >5000mg/kg Glycerin: DL50-dermale-rabbit: >10000mg/kg ; DL50-oral-rat: 12600mg/kg Triethanolamin: DL50-oral-rat: >6400mg/kg Corrosion / Irritation Benzenesulfonic acid: Skin-rabbit: corrosive (OECD 404) - Eye-rabbit: can cause irreversible injuries (OECD 405)
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SECTION 11: Toxicological information

Information on toxicological effects

Sensitisation

The ingredients of mixture, individually, have no sensitising properties. Considering available data, the classification specifications are not fulfilled.

Carcinogenic, mutagenic or toxic to reproduction

The mixture and these ingredients, as far as we knew, have no carcinogenic, mutagenic and reprotoxic effects. Considering available data, the classification specifications are not fulfilled.

Special toxicity to some organ targeted – unrepeated or repeated exposure

The mixture and these ingredients have reversible effects in the event of unrepeated or repeated exposure.

Toxicological information

-

SECTION 12: Ecological information

12.1. Toxicity

We have no quantitative data about ecological effect of mixture.

Ecotoxic effects:

Diethanolamid:

CL50 (fish) – 96h : 1-10mg/l ; CE50 (Daphnia) – 48h : 1-10mg/l ; CE50 (algua) – 96h : 1-10mg/l ; CE10 (algua) – 96h : 0.76mg/l ; CE50 (bactéria) – 30min : >1000mg/l

Benzenesulfonic acid:

CL50 (fish) – 96h >1-10mg/l (OCDE 203) ; CE50 (Daphnia) – 48h : >1-10mg/l (OCDE 202)

CE50 (algua) – 72h >10-100 mg/l (OCDE 201)

Glycérin:

CL50 (fish) – 96h : 5000mg/l ; CE50 (Daphnia) – 24h : >10000mg/l

Triéthanolamin:

CL50 (fish) – 96h : 11800mg/l ; CE50 (Daphnia) – 24h : >100mg/l ; CE50 (algua) – 72h : >100mg/l

12.2. Persistence and degradability

The ingredients of the mixture are easily biodegradable.

12.3. Bioaccumulative potential

No data available for all ingredients.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available for all ingredients.

12.6. Other harmful effects

In case of manipulation and appropriate use, no ecological effect is feared for the mixture.

Not spread a large quantity in natural waters, waste water or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product waste

Chemical waste are special-waste and are regulated.

For the waste disposal, ask the authorities or contract out an approved company regarding disposal

Packaging

Carefully rinse the empty packaging, before recycling.

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SECTION 14: Transport information

Mixture not classified as dangerous for the transport.

14.1. UN number	Not applicable
14.2. Proper Shipping Name	Not applicable
14.3. Transport hazard class(es)	Not applicable
14.4. Packing group	Not applicable
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	Not applicable
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

The above regulatory prescriptions are those valid on the date of publication of this sheet.

However, given the possible evolution of transport regulations for hazardous materials, in case the present sheet is dating back to more than 12 months ago, it would be advisable to check their validity with your commercial agency.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislations specific for the substance or mixture	EU Authorizations and/or restrictions on use: Not Applicable
15.2. Chemical safety assessment	No Chemical Safety Report realized for this mixture.

SECTION 16: Other information

Legend

VLE – Term Exposure Limit
VME – Medium Term Exposure Limit
VLCT – Short Term Exposure Limit
TWA – Time Weighted Average
STEL – Short Term Exposure Limit

LD50 - Lethal Dose, 50%
LC50 - Lethal Concentration, 50%
EC50 – Effective Concentration, 50 %
OECD - Organisation for Economic Co-operation and Development

PBT – Persistent, Bioaccumulative and Toxic
vPvB – very Persistent and very Bioaccumulative

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SECTION 16: Other information (continued)

Product for professional use only.

For more information regarding the use of this product please refer to the technical information or contact the sales department in your region.

Update

This sheet was updated (refer to the date at the top of the first page)

This Safety Data Sheet was updated in accordance with Directive 1999/45/EC and 1272/2010/EC, the regulation 453/2010/EU (amendment on Annex II of 1907/2006/EC) and their adaptations.

The following sections contain revisions or new statements: 1 à 16.

All information and instructions provided in this Material Safety Data Sheet is based on the current state of scientific and technical knowledge at the date indicated on the present MSDS, but does not constitute a guarantee of the properties of the product and is not a contractual legal report.

The safety data sheet has been written in conformity with the article 31 and the Annex II of the UE REACH regulation, and the amendments concerning the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances and mixtures.

It is the responsibility of persons in receipt of this MSDS to ensure that all people who may use, handle, dispose or in any way come in contact with the product understands this information.

This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product. It is given in good faith. This document should not be considered as a guarantee of specifications. The users attention is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended. This document does not in any way excuse the user from knowing and applying all the regulations governing his activity for the handling, usage, application, storage, transport, and waste disposal of the product. It is the sole responsibility of the user to take all precautions required in handling the product. The mandatory regulations mentioned are only intended to help the user to fulfill his obligations regarding the use of hazardous products. This listing must not be considered as exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

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