
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

| | |
|--|---|
| Name of product | Lithofin ALGEX |
| Distributor | CASDRON Enterprises Ltd. Wood End, Prospect Road, Alresford Hampshire SO24 9QF Phone 0 19 62 73 21 26, Fax 0 19 62 73 53 73 |
| Advice | Technical Department Phone 0 19 62 73 21 26 |
| Manufacturer | LITHOFIN AG Heinrich-Otto-Straße 42, D-73240 Wendlingen Phone +49 (0)7024 94 03-0 |
| Advice | Labor Phone +49 (0)7024 9403-0 Fax +49 (0)7024 9403-40 |
| Emergency advice | Phone +49 (0)7024 9403-0 (8.00-16.00 h) Phone +49 (0)7024 94 03-0 |
| Recommended intended purpose(s) | Cleaner |

2. HAZARDS IDENTIFICATION

Classification

C; R34

N; R50

R-phrases

34 Causes burns.

50 Very toxic to aquatic organisms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Cleaner with quaternary ammonium compounds

Hazardous ingredients

| CAS No | EC No | Name | [% weight] | Classification |
|------------|-----------|--|------------|-------------------|
| 68424-85-1 | 270-325-2 | quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides | < 25 | C, N R21/22-34-50 |

Additional advice

These hazards apply to the contained raw materials in concentrated form. they have nothing to do with the labeling requirements of the finished product. The labeling requirements for the finished product are listed as item 15.

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Ensure of fresh air.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Hydrogen chloride (HCl)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder).

7. HANDLING AND STORAGE

Advice on safe handling

Take the usual precautions when handling with chemicals.

Advice on protection against fire and explosion

No special measures necessary.

Further information on storage conditions

Keep container dry, tightly closed and store at cool and aired place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand protection

chemical-resistant gloves

Eye protection

safety goggles

Skin protection

light protective clothing

General protective measures

Avoid contact with eyes and skin

Hygiene measures

At work do not eat, drink and smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
liquid

Colour
bluish

Odour
pleasant

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|-----------------------------------|-------------------------|-------------|----|--------|---------------|
| pH value in delivery state | ca. 6,5 - 9,5 | | | | |
| starts to boil | > 90 °C | | | | |
| Flash point | not applicable | | | | |
| Density | ca. 1 g/cm ³ | | | | |
| Solubility in water | | | | | multimiscible |

10. STABILITY AND REACTIVITY**Conditions to avoid**

No hazardous reactions known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity/Irritability/Sensitization**

| | Value/Validation | Species | Method | Remark |
|-------------------------------|------------------|---------|--------|--------|
| LD 50 acute oral | not determined | | | |
| LD 50 acute dermal | not determined | | | |
| LC 50 acute inhalation | not determined | | | |

12. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

| | Elimination rate | Method of analysis | Method | Validation |
|---------------------------------------|------------------|--------------------|--------|------------|
| Physico-chemical degradability | not determined | | | |
| Biological degradability | not determined | | | |

13. DISPOSAL CONSIDERATIONS

| Waste code No. | Name of waste |
|----------------|---|
| 07 06 08* | other still bottoms and reaction residues |

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1760 Corrosive liquid, n.o.s. (Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides), 8, III

Marine transport IMDG

UN 1760 Corrosive liquid, n.o.s., (Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides), 8, III

Air transport ICAO/IATA-DGR

UN 1760 Corrosive liquid, n.o.s., (Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides), 8, III

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives.

Classification

- C** Corrosive
- N** Dangerous for the environment

R-phrases

- 34 Causes burns.
- 50 Very toxic to aquatic organisms.

S-phrases

- 1/2 Keep locked up and out of reach of children.

Lithofin ALGEX

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29 Do not empty into drains.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous ingredients for labeling

quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides

National regulations

Water hazard class 2 VwVwS (17. 05. 1999)

16. OTHER INFORMATION

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

R 21/22 Harmful in contact with skin and if swallowed.

R 34 Causes burns.

R 50 Very toxic to aquatic organisms.