



Trade name: Linear Alkylbenzene

Product no.: 67774-74-7

Status: 30.05.2023 Date of printing: 30.05.2023 Version: GB

1.) Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

Trade name

Linear Alkylbenzene**Use of the substance/preparation**

detergents; detergent; cleaning agent (products for professional use); Chemical processes general

Company/undertaking identification**Address**ELAB
Alexandria
ELSAD EL-AALY STREET, MERGHEM, WADI EL-AMAR**Information provided by / telephone**

Telephone: 0020 16 882 6721 Fax: 0020 2 267 13539

Emergency telephone

0020 16 882 6721

2.) Hazards identification**Hazard symbols**

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N O N E

Particular information pertaining specific risk for human / environment

The product does not require a hazard warning label in accordance with Directive 67/548/EC; No special hazards have to be mentioned. But please observe the information given in this safety data sheet.

3.) Composition / information on ingredients**Chemical characterization**

Benzene, C10-13-alkyl derivatives

Substance / product identification

CAS no. 67774-74-7

EC no. 267-051-0

4.) First aid measures**General information**

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

After ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

5.) Fire-fighting measures**Suitable extinguishing media**

Foam; Water spray jet; Carbon dioxide; extinguishing powder

Extinguishing media that must not be used for safety reasons

Full water jet; Strong water jet

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

Fire gas of organic material has to be classed invariably as respiratory poison.

In the event of fire, the following can be released:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Other information

Cool endangered containers with water spray jet.



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6.) **Accidental release measures**

Personal precautions

Forms slippery surfaces with water. Remove persons to safety. Use personal protective clothing. Keep away sources of ignition.

Environmental precautions

Do not discharge into the subsoil/soil. Do not allow to enter drains or waterways.

Methods for cleaning up/taking up

Dispose of as prescribed. Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

7.) **Handling and storage**

Handling

Advice on safe handling

No special measures necessary if used correctly. Provide good ventilation of working area (local exhaust ventilation, if necessary).

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. Take precautionary measures against static charges.

Storage

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

Advice on storage assembly

Do not store with strong oxidizing agents.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

8.) **Exposure controls / personal protection**

Exposure limit values

N O N E

Personal protective equipment

Respiratory protection

Short term: filter apparatus, Filter A; Breathing apparatus in the event of aerosol or mist formation.

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile
Appropriate Material neoprene

Eye protection

Safety glasses with side protection shield (EN 166)

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Wash skin thoroughly and immediately after handling the product. Cloths contaminated with product should not be kept in trouser pockets. Do not eat, drink or smoke during work time. Do not inhale aerosols. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately.

9.) **Physical and chemical properties**

General information

Form liquid
Colour colourless
Odour odourless

Important health, safety and environmental information

Changes in physical state

Type Boiling range
Value 280 - 310 °C
Type Solidifying point
Value < - 50 °C

Flash point

Value appr. 140 °C

Density

Value 0,866 g/cm³



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Solubility in water

Remarks insoluble

Octanol/water partition coefficient (log Pow)

Value > 5,0

10.) Stability and reactivity**Conditions to avoid**

None, if handled according to order.

Materials to avoid

Oxidizing agents

Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information**Acute toxicity****Acute oral toxicity**

LD50 > 5000 mg/kg

Species rat

Method OECD 401

Acute dermal toxicity

LD50 > 2000 mg/kg

Species rat

Method OECD 402

Acute inhalational toxicity

Remarks No data available.

Irritant/corrosive effects**Irritant effect on skin**

Species rabbit

Evaluation non-irritant

Method EEC 84/449, B.4

Irritant effect on eyes

Species rabbit eye

Evaluation non-irritant

Method OECD 405

Sensitisation

Species Human

Evaluation Non-sensitizing

Method Patch-Test

Effects after repeated or prolonged exposition (subacute, subchronic, chronic)**Mutagenicity**

Remarks No experimental information on genotoxicity available.

Reproduction toxicity

Remarks No experimental information on reproduction toxic effects available.

Carcinogenicity

Remarks No experimental information on carcinogenic effects available.

12.) Ecological information**Ecotoxicity****Fish toxicity**

LC50

Species Lepomis macrochirus

Duration of exposure 96 h

Method EPA-660 / 3-7-009

Remarks No demonstrable toxic effect in saturated solution.

Daphnia toxicity

EC50

Species Daphnia magna

Duration of exposure 48 h

Method OECD 202

Remarks No demonstrable toxic effect in saturated solution.



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Algae toxicity

EC50
Species Selenastrum capricornutum
Duration of exposure 96 h
Method EPA-600 / 9-78-018
Remarks No demonstrable toxic effect in saturated solution.

Bacteria toxicity

EC10 > 10 mg/l
Species Pseudomonas putida
Duration of exposure 18 h
Method DIN 38412 T.8

Persistence and degradability**Biodegradability**

Value >= 97 %
Evaluation readily biodegradable

13.) Disposal considerations**Product**

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

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport information**Other information (chapter 14.)**

The product is not defined under national/international road, rail, sea and air transport regulations as a hazardous material.

15.) Regulatory information**Labelling in accordance with EC directives**

The product does not require a hazard warning label in accordance with EC Directive 67/548/EC.

Hazard symbols

- N O N E

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

16.) Other information**Further information**

The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

Authors responsible for the compilation of the material safety data sheet:

UMCO Umwelt Consult GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 183b

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.