



Trade name: Linear Alkylbenzene

Product no.: 67774-74-7

Status: 19.08.2008 Date of printing: 19.08.2008 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 (CO<sub>2</sub>)

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**

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**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
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**Density**

Value	0,866	g/cm <sup>3</sup>
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**Solubility in water**

Remarks insoluble

**Octanol/water partition coefficient (log Pow)**

Value &gt; 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 &gt; 5000 mg/kg

Species rat

Method OECD 401

**Acute dermal toxicity**

LD50 &gt; 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

&gt; 10

mg/l

Species

Pseudomonas putida

Duration of exposure

18 h

Method

DIN 38412 T.8

**Persistence and degradability****Biodegradability**

Value

&gt;= 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**

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**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:

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**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.