



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Version: 2

Language: EN

Revision date: 30.05.2011

1. Identification of the substance/mixture and of the Company/Undertaking

1.1 Product identifier

Benzene, mono-C10-13-alkyl derivs., distn. residues

Trade name:	Heavy alkylate
CAS-No.:	84961-70-6
EC-No.:	284-660-7
REACH registration number:	01-2119485843-26-0011

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

Identified uses of the substance/mixture:	Adsorbant Metal surface treatment products, including galvanic and electroplating products Non-metal-surface treatment products Hydraulic fluids
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Not recommended uses of the substance/mixture:	None
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1.3 Details of the supplier of the Safety Data Sheet

Manufacturer

Egyptian Linear Alkyl Benzene Company (ELAB)
Wadi El-Amaar, El-sad El-ally st.
Alexandria, Egypt

Telephone: +203 2021 6001 TO 6009

Fax: +203 2021 6010 / 6011

E-mail: hse@egylab.com

Supplier (Only Representative)

BiPRO GmbH
Grauertstr. 12
81545 München, Germany

Telephone: +49 89 189 790 50

Fax: +49 89 189 790 52

E-mail (competent person): mail@bipro.de

1.4 Emergency telephone number

GIZ Nord, Göttingen, Germany

Telephone: +49 551 19 240

2. Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Asp. Tox. 1; H304

2.1.2 Classification according to Directive 67/548/EEC and 1999/45/EC

Based on available data and according to Directive 67/548/EEC, the substance does not fulfill criteria for physical-chemical, human health or environmental classification.

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word: Danger

H phrases: 304 May be fatal if swallowed and enters airways.

P phrases: 301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
331 Do NOT induce vomiting.
405 Store locked up.
501 Dispose of contents/container in accordance with local regulation.

2.3 Other hazards

This substance does not meet the criteria for classification as PBT or vPvB.

3. Composition/information on ingredients

3.1 Substances

100 % (UVCB) Benzene, mono-C10-13-aklyl derivs., distn. residues.
(UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials)

Benzene, mono-C10-13-aklyl derivs., distn. residues
EC-no.: 284-660-7
CAS-no.: 84961-70-6
REACH-no.: 01-2119485843-26-0011
Concentration: 100%

4. First aid measures

4.1 Description of first aid measures

General information: Seek medical attention if problem persist. Remove contaminated clothing immediately and dispose off safely. In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

Following inhalation: Immediately get medical attention. In case of accident by inhalation: remove casualty to fresh air and keep at rest.

After skin contact: After contact with skin, wash immediately with plenty of water and soap.

Following eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

After ingestion: Rinse mouth immediately and drink large quantities of water. No administration in cases of unconsciousness or cramps. Where appropriate artificial ventilation. Do not induce vomiting. Medical advice absolutely required!

Self-protection: First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: May be fatal if swallowed.
Nature of Hazard: See above

4.3 Indication of any immediate medical attention and special treatment needed

Emergency aid: First Aid, decontamination, treatment of symptoms.
Treatment: Treat symptomatically.

5. Fire fighting measures

5.1 Extinguishing media

Suitable: Foam, carbon dioxide (CO₂), water, atomized water, extinguishing powder
Unsuitable: high power water jet

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon dioxide (CO₂), carbon monoxide (CO)

5.3 Advice for fire fighters

Special protective equipment for fire-fighters

Wear special protective equipment for fire-fighters as self-contained breathing apparatus and full protective suit.

Additional information

Do not inhale explosion gases or combustion gases. Stay upwind and keep out of low areas. Move container from fire area if it can be done without risk, otherwise cool endangered containers with water spray jet. Do not scatter spilled material with high pressure water streams. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil. Dumping into the environment must be prevented.

6.3 Methods and material for containment and cleaning up

Make sure spills can be contained (e.g. sump pallets or kerbed areas). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Waste disposal according to official state regulations.

6.4 Reference to other sections

Refer to chapter 13.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Provide for sufficient ventilation and punctiform suction at critical points.

Technical measures

Provide for sufficient ventilation and punctiform suction at critical points. Provide sufficient washing facilities

Precautions against fire and explosion

Keep away from sources of ignition - No smoking.

Additional information

Observe instructions for use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

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

Packaging materials

Store only in original container.

Requirements for storerooms and containers

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

Information about storing together in storage facility

Do not store together with: Oxidizing agents.

Further information concerning storage conditions

Observe instructions for use.

Storage class: 12 Non-combustible liquids

7.3 Specific end use(s)

Observe instructions for use.

8. Exposure controls / Personal protection

8.1 Control parameters

Exposure limit values

Benzene, mono-C10-13-aklyl derivs., distn. residues

CAS-no.: 84961-70-6

Source: Gestis

Occupational exposure limit value: -

Limitation of exposure peaks: -

Remark: No values indicated/identified.

DNEL and PNEC values

DNEL (long term, dermal, worker): 8.6 mg /kg bw/day.

PNEC freshwater: 7.5E-5 mg/L

PNEC marine water: 7.5E-5 mg/L

PNEC sediment: 1,761 mg/kg dw

PNEC STP: 2 mg/L

Control-Banding

No information available.

8.2 Exposure controls

Occupational exposure controls

General protection and hygiene measures: Wash hands before breaks and at the end of work. Do not eat, drink, smoke or sneeze at the workplace.

Chemical handling

Avoid contact with skin, eye and clothing. Wash contaminated clothing prior to re-use. Apply skin care products after work. After cleaning apply high-fat content skin care cream.

Personal protection equipment

Wear personal protection equipment.

Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. Suitable respiratory protective equipment: Work in well ventilated zones or use proper respiratory protection.

Hand protection

Tested protective gloves are to be worn: DIN EN 374. Before using check leak tightness / impermeability.

Eye protection

Tightly sealed safety glasses.

Skin protection

Wear suitable protective clothing.

Environmental exposure controls

Refer to chapter 6. No further action is necessary.

Consumer exposure controls

Refer to chapter 7. No further action is necessary.

9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

State of matter: liquid
Colour: colourless
Odour: characteristic

Safety relevant basis data

	Parameter	Value	Unit	Remark
Density:		0.865-0.897	g/cm ³	
Package density:				irrelevant
pH:		< 1		
Melting point / range:		< -0.39	°C	
Boiling temperature / range:		300-407	°C	
Flash point:		173-200	°C	
Flammability:				irrelevant
Lower flammability limit:				irrelevant
Upper flammability limit:				irrelevant
Explosion hazard:				not explosive
Lower explosion limit:				irrelevant

Upper explosion limit:			irrelevant
Ignition temperature:	258-350	°C	
Decomposition temperature:			no data available
Oxidizing characteristics:			not oxidizing
Vapour pressure:	< 5	Pa	at °C 20
Relative vapour density:			no data available
Speed of vaporization/evaporation rate:			no data available
Solubility in water:			insoluble (< 0.1mg/L)
Fat solubility:			no data available
Solubility in log P O/W (n-octanol / water):	6.6-9.9	mm ² / s	irrelevant
Viscosity:	41.4-54.1		at °C 25 (DIN 51562)
			at °C 20

9.2 Other information

none

10. Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

Reactions with: Oxidizing agents

10.4 Conditions to avoid

Refer to chapter 7. No further action is necessary.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide (CO)

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity oral, rat LD50: > 2,000 mg/L

Acute toxicity dermal, female rat LD50: 4,300 mg/L

Acute toxicity dermal, male rat LD50: 3,600 mg/L

Specific symptoms in laboratory animals

No information available

11.2 Irritation and etching

Irritant effect on the skin

Not irritating.

Irritant effect on the eye

Not irritating.

Irritant effect on the respiratory tract

No information available.

Etching

No information available.

11.3 Sensitization

No danger of sensitization.

11.4 Repeated dose toxicity

Not considered significantly toxic even after repeated oral exposures

11.5 CMR effects**Carcinogenicity**

none

Mutagenicity

none

Reproductive toxicity

none

12. Ecological information**12.1 Toxicity****Aquatic toxicity**

Daphnia sp. EC50 (48h): > 1.4 mg/L

Scenedesmus suspicatus: EbC50 >2.8 mg/L, ErC50 >2.8 mg/L

12.2 Persistence and degradability

This substance does not meet criteria for readily biodegradability.

12.3 Bioaccumulative potential

No indication on bioaccumulation potential.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

No information available.

13. Disposal considerations**13.1 Waste treatment methods****Appropriate disposal/product**

Waste disposal according to official state regulations.

Appropriate disposal/packaging

Handle contaminated packaging in the same way as the substance itself. Waste disposal according to official state regulations.

Control report for waste code/ waste marking according to EWC

Consult the appropriate authorities about waste disposal.

Remark

none

14. Transport information**14.1 UN Number**

Not applicable (n.a.)

14.2 UN proper shipping name**ARD/RID**

n.a.

IMDG-Code / ICAO-TI / IATA-DGR

n.a.

14.3 Transport hazard class(es)

n.a.

14.4 Packing group

No data available

14.5 Environmental hazards

n.a.

14.6 Special precautions for users

Refer to sections 6-8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

No NLS cargo

14.8 Further regulations, limitations and legal requirements

n.a.

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)
irrelevant

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer
irrelevant

Regulation (EC) No 850/2004 on persistent organic pollutants
irrelevant

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals
irrelevant

Regulation (EC) No 648/2004 (Detergents regulation)

irrelevant

Restrictions under Title VIII of Regulation (EC) No 1907/2006

none

National regulations

Moreover, national legislation has to be observed!

Information on working limitations

Youths are only allowed to handle this product according to the regulation 94/33/EC, and as long as all effects of dangerous substances are prevented. Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

Major Accidents Ordinance

No information available

Storage class according to VCI (DE)

12 Non-combustible liquids.

Water Hazard Class according to VwVwS (DE)

1 weak water pollutant (WGK 1)

Technical Instructions on Air Quality Control (TA-Luft) (DE)

No information available

Further regulations, limitations and legal requirements

none

15.2 Chemical safety assessment

For this substance a chemical safety assessment has been carried out:

Benzene, mono C10-13 alkyl derivatives, distillation residues

16. Other information

16.1 Wording of the H and R-phrases under paragraph 2 and 3

Regulation (EC) No 1272/2008

H304 May be fatal if swallowed and enters airways.

Directive 67/548/EEC

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16.2 Training instructions

The product should only be handled by persons over the age of 18, who were informed sufficiently about the dangerous nature of the product and about the necessary safety precautions.

16.3 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up

material.

16.4 Documentation of changes

Section 1.4: correction of emergency telephone number

16.5 Data sources

Data arise from reference works and literature.
