



Safety Data Sheet

according to Regulation (EC) No 1907/2006

LINEAR ALKYLE BENZENE SULPHONIC ACID 96 %.

Revision date: 05.09.2022

Product code:

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

1.1. Product identifier

LINEAR ALKYLE BENZENE SULPHONIC ACID 96 %.

Substance name: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.

CAS No: 85536-14-7

EC No: 287-494-3

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

Use of the substance/mixture

Industrial manufacturing.

Uses- and exposure categories (overview) see attached exposure scenario.

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: ALINTAJ Sulphochemical industries – SULPHO MISR

Street: CPC industrial park, Northen extensions , 6October city

Place: Giza, Egypt

+20238642330

Telefax: +20238642340

Responsible Department: ALINTAJ Sulphochemical industries – SULPHO MISR

, o.alkerdi@alintajsulpho.com

1.4. Emergency telephone number:

+20238642330 (This number is serviced during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute Tox. 4; H302

Skin Corr. 1C; H314

Eye Dam. 1; H318

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.



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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

For information or further instructions, see also section 11 or 12.

SECTION 3: Composition/information on ingredients

3.1. Substances

Sum formula: R- C6 H4- SO3H ;R= C10-13

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|-----------------------|--------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | | | 99 - < 100 % |
| | 287-494-3 | | 01-2119490234-40-XXXX | |
| | Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3; H302 H314 H318 H412 | | | |
| 7664-93-9 | sulphuric acid | | | < 2 % |
| | 231-639-5 | 016-020-00-8 | | |
| | Met. Corr. 1, Skin Corr. 1A; H290 H314 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|---|--|--------------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 85536-14-7 | 287-494-3 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | 99 - < 100 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = ca. 1470 mg/kg | | |
| 7664-93-9 | 231-639-5 | sulphuric acid | < 2 % |
| | inhalation: LC50 = (0,375) mg/l (dusts or mists); oral: LD50 = 2140 mg/kg Skin Corr. 1A; H314: >= 15 - 100 Skin Irrit. 2; H315: >= 5 - < 15 Eye Irrit. 2; H319: >= 5 - < 15 | | |

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxilason spray, Pulmicort-dosage-spray. (Auxilason and Pulmicort are registered trademarks).

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids



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apart. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO₂). Sulfur oxides.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling



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Advice on safe handling

Wear suitable protective clothing. (See section 8.)
Conditions to avoid: aerosol or mist formation
Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

When using do not eat, drink or smoke.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

Suitable material for Container: Stainless steel. Plastics

Unsuitable materials for Container: Galvanized sheet iron. Galvanized steel. alloy, cupric. Aluminium.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

Further information on storage conditions

Recommended storage temperature: 20°C

Protect against: frost. UV-radiation/sunlight. heat. (>50°C) Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|-----------|----------------|-----|-------------------|---------------------|-----------|--------|
| 7664-93-9 | Sulphuric acid | - | 0.05 | | TWA (8 h) | |

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|--|----------------|----------|-----------------------|
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | | | |
| Worker DNEL, long-term | | dermal | systemic | 119 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 7,6 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 0,425 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | systemic | 42,5 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,3 mg/m ³ |

PNEC values

| CAS No | Substance | Value |
|---------------------------|--|-------|
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | |
| Environmental compartment | | |



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| | |
|--|------------|
| Freshwater | 0,268 mg/l |
| Freshwater (intermittent releases) | 0,017 mg/l |
| Marine water | 0,027 mg/l |
| Freshwater sediment | 8,1 mg/kg |
| Marine sediment | 6,8 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | 3,43 mg/l |
| Soil | 35 mg/kg |

8.2. Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. EN 166

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.



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Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: brown, viscous
Odour: characteristic

Changes in the physical state

Melting point/freezing point: No information available.
Boiling point or initial boiling point and boiling range: No information available.
Sublimation point: No information available.
Softening point: No information available.
Pour point: No information available.
Flash point: No information available.

Flammability

Solid/liquid: No information available.
Gas: No information available.

Explosive properties

none

Lower explosion limits: No information available.
Upper explosion limits: No information available.
Auto-ignition temperature: >200 °C

Self-ignition temperature

Solid: No information available.
Gas: No information available.

Decomposition temperature: ~100 °C

pH-Value: ~1 (1% in aqueous solution)

Viscosity / dynamic: 1900 mPa·s
(at 20 °C)

Viscosity / kinematic: No information available.

Flow time: No information available.

Water solubility: Immiscible

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water: No information available.

Vapour pressure: << 0,1 hPa

Vapour pressure: No information available.

Density: 1,04 g/cm³

Bulk density: No information available.

Relative vapour density: No information available.

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion: No data available



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Oxidizing properties
none

Other safety characteristics

Solvent separation test: No information available.
Solvent content: No information available.
Solid content: No information available.
Evaporation rate: No information available.

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.
Refer to chapter 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat. (>50°C)

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO₂). Sulfur oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicocinetics, metabolism and distribution

No information available.

Acute toxicity

Harmful if swallowed.

| CAS No | Chemical name | | | | |
|------------|--|---------------|----------|--------|---|
| | Exposure route | Dose | Species | Source | Method |
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | | | | |
| | oral | LD50 mg/kg | ca. 1470 | Rat | Study report (1984) OECD Guideline 401 |
| | dermal | LD50 mg/kg | > 2000 | Rat | Study report (1986) OECD Guideline 402 |
| 7664-93-9 | sulphuric acid | | | | |
| | oral | LD50 mg/kg | 2140 | Rat. | ECHA Dossier |
| | inhalation (4 h) dust/mist | LC50 mg/l | (0,375) | Rat. | ECHA Dossier |

Irritation and corrosivity



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Causes severe skin burns and eye damage.
Causes serious eye damage.
Irritant effect on the skin:
Result: Not an irritant. Species: Rabbit
Method: OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Irritant effect on the eye:
Result: Not an irritant. Species: Rabbit
Method: OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Sensitising effects

Based on available data, the classification criteria are not met.
Skin sensitisation negative. (non-LLNA)
Species: Guinea-pig.
Literature information: ECHA Dossier

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
In-vitro mutagenicity: negative.
Reproductive toxicity: NOAEL: 350 mg/kg (Rat)
Developmental toxicity/teratogenicity: NOAEL: 300 mg/kg (Rat)
In-vivo mutagenicity:
Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Species: Mouse. Result: negative.
Literature information: ECHA Dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.
Subchronic oral toxicity: Method: read-across based on grouping of substances (category approach) Substance related information: LAS; Species: Rat; Exposure duration: ~ 270 d. Result: NOAEL = 85 mg/kg ; Literature information: ECHA Dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

12.1. Toxicity

| CAS No | Chemical name | | | | | |
|------------|--|----------------|-----------|-------------------------|---------------------|----------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | | | | | |
| | Acute fish toxicity | LC50 2,88 mg/l | 96 h | Pimephales promelas | Study report (2006) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 7,4 mg/l | 72 h | Desmodesmus subspicatus | Study report (2011) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 2,9 mg/l | 48 h | Daphnia magna | Study report (1990) | OECD Guideline 202 |
| | Fish toxicity | NOEC 0,23 mg/l | 72 d | Oncorhynchus mykiss | Study report (2010) | OECD Guideline 210 |
| | Algae toxicity | NOEC 3,1 mg/l | 15 d | Chlorella kessleri | Study report (1984) | other: EPA-600/9-78-018 |



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| | | | | | | | |
|-----------|--------------------------|------------|-----------|------|-------------------------|---------------------|--------------------|
| | Crustacea toxicity | NOEC | 1,18 mg/l | 21 d | Daphnia magna | Study report (1977) | OECD Guideline 211 |
| 7664-93-9 | sulphuric acid | | | | | | |
| | Acute fish toxicity | LC50 mg/l | 16-28 | 96 h | Lepomis macrochirus | ECHA Dossier | |
| | Acute algae toxicity | ErC50 mg/l | >100 | 72 h | Desmodesmus subspicatus | ECHA Dossier | |
| | Acute crustacea toxicity | EC50 mg/l | >100 | 48 h | Daphnia magna | ECHA Dossier | |

12.2. Persistence and degradability

| CAS No | Chemical name | | | | | | |
|------------|---|--|-------|--|----|--------------|--|
| | Method | | Value | | d | Source | |
| | Evaluation | | | | | | |
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | | | | | | |
| | OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A | | 94% | | 28 | ECHA Dossier | |
| | Readily biodegradable (according to OECD criteria). | | | | | | |

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|--|---------|
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | 2,2 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|--|------|---------------------|----------------------|
| 85536-14-7 | Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | >= 2 | Pimephales promelas | Environ. Sci. Techno |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products



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160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

List of Wastes Code - used product

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 2586
14.2. UN proper shipping name: ALKYL SULPHONIC ACIDS, LIQUID
14.3. Transport hazard class(es): 8
14.4. Packing group: III
 Hazard label: 8



Classification code: C3
 Limited quantity: 5 L
 Excepted quantity: E1
 Transport category: 3
 Hazard No: 80
 Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 2586
14.2. UN proper shipping name: Alkylsulphonic acids, liquid
14.3. Transport hazard class(es): 8
14.4. Packing group: III
 Hazard label: 8



Classification code: C3
 Limited quantity: 5 L
 Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 2586
14.2. UN proper shipping name: ALKYL SULPHONIC ACIDS, LIQUID
14.3. Transport hazard class(es): 8
14.4. Packing group: III
 Hazard label: 8



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Special Provisions: -
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-B
Segregation group: 1 - acids

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 2586
14.2. UN proper shipping name: ALKYL SULPHONIC ACIDS, LIQUID
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: A803
Limited quantity Passenger: 1 L
Passenger LQ: Y841
Excepted quantity: E1
IATA-packing instructions - Passenger: 852
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Safe handling: see section 7
Personal protection equipment: see section 8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).



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Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

Rev. : 1,0 - Initial release, 08.02.2019

Rev. : 2,0; 05.09.2022, Revision 2-16

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

NLP: No-Longer Polymers

N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

Relevant H and EUH statements (number and full text)

May be corrosive to metals.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.



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according to Regulation (EC) No 1907/2006

LINEAR ALKYLE BENZENE SULPHONIC ACID 96 %.

Revision date: 05.09.2022

Product code:

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Further Information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

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.