

LABS

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue:08/01/2011

Revision date:08/01/2011

Version: 1.0

SECTION1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Chemical type : C10-14 Alkyl benzene sulfonic acid
Name : LABS

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Raw material for producing detergent products.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Middle East Sulphonation
Northern Industrial Area
10200 Kiryat Shmona - Israel
T 972-4-6904224 - F 972-4-6904227
asher_bluestein@hotmail.com

1.4. Emergency telephone number

Emergency number : 972-8-9253321

Country	Official advisory body	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QHBirmingham	0870 600 6266 (UK only)

SECTION2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302
Skin Corr. 1B H314

Full text of H-phrases: see section 16.

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

Xn;R22
C;R34

Full text of R-phrases: see section 16.

2.1.3. Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

P260 - Do not breathe vapours, mist.
P264 - Wash clothing thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product
P280 - Wear protective clothing, eye protection.
P301+P312 - If swallowed, call a doctor if you feel unwell.
P301+P330+P331 - If swallowed: Rinse mouth. Do NOT induce vomiting.

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2.2.2. Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols :



C - Corrosive

R-phrases :

R22 - Harmful if swallowed
R34 - Causes burns

S-phrases :

S23 - Do not breathe vapour
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 - Wear suitable protective clothing gloves, and eye/face protection
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S28 - After contact with skin, wash immediately with plenty of water and soap
S35 - This material and its container must be disposed of in a safe way

2.3. Other hazards

No additional information available

SECTION3: Composition/information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Directive 67/548/EEC
C10-14 Alkyl benzene sulfonic acid	(CAS No.)85536-14-7	> 96,5	Xn;R22 C;R34
Sulphuric acid	(CAS No.)7664-93-9 (EC no)231-639-5 (EC index no)016-020-00-8	<= 1	C; R35

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
C10-14 Alkyl benzene sulfonic acid	(CAS No.)85536-14-7	> 96,5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314
Sulphuric acid	(CAS No.)7664-93-9 (EC no)231-639-5 (EC index no)016-020-00-8	<= 1	Skin Corr. 1A, H314 Eye Dam. 1, H318

Full text of R-, H- and EUH-phrases: see section 16.

3.2. Mixtures

Not applicable

SECTION4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Immediately consult a doctor/medical service.
First-aid measures after inhalation	: Remove the victim into fresh air. If breathing stops, give artificial respiration. In case of breathing difficulties administer oxygen. Consult a doctor.
First-aid measures after skin contact	: Rinse immediately with plenty of water for 15 minutes. Remove and wash contaminated clothing before re-use. Call a doctor immediately.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Call a doctor immediately.
First-aid measures after ingestion	: Do not induce vomiting because of corrosive effects. Immediately consult a doctor/medical service. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person or a person with cramps.

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

Symptoms/injuries	: Caustic burns/corrosion of the skin. Corrosion of the eye tissue.
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract and to other mucous membranes. Possible oedema of the upper respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation / dermatitis. / skin burns.
Symptoms/injuries after eye contact	: Causes serious eye burns. Danger of very serious irreversible effects.
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Irritating to the digestive tract. May cause burns.

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

No additional information available

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SECTION5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), powder, alcohol-resistant foam, hazy water.
Unsuitable extinguishing media : NEVER direct water jet on liquid.

5.2. Special hazards arising from the substance or mixture

Reactivity : On burning: release of toxic and corrosive gases/vapours (carbon monoxide - carbon dioxide, sulphur oxides).
General measures : Use a water spray to cool exposed surfaces and to protect fire-fighters.

5.3. Advice for firefighters

Protection during firefighting : Wear self-contained breathing apparatus and protective suit (see item 8).

SECTION6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear self-contained breathing apparatus and protective suit (see item 8).

6.1.2. For emergency responders

Protective equipment : Wear full protective clothing and breathing apparatus when dealing with all spillage (see item 8).

6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite. Collect all waste in suitable and labelled containers and dispose according to local legislation. Provide adequate ventilation.

6.4. Reference to other sections

No additional information available

SECTION7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash thoroughly after handling. Remove immediately contaminated clothing. Wash contaminated clothing prior to re-use. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Avoid inhalation of vapour and spray mist.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool area. Keep container closed when not in use. Keep away from oxidizing agents. Keep in a cool place away from metals. Store separately from strongly alkaline.

7.3. Specific end use(s)

No additional information available

SECTION8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Facilities: shower, eye shower. Local exhaust and general ventilation must be adequate to meet exposure standards.
Eye protection : Chemical goggles or face shield.
Skin and body protection : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.
Respiratory protection : half-mask with filter according to EN 149.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Brown.
Odour	: sulfurous.
Odour threshold	: No data available
pH	: 1 in 1% solution.
Melting point	: No data available
Solidification point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relat. evapor. rate comp. to butylacetate	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,05 g/cm ³ at 25°C
Solubility	: Stable.
Log Pow	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of toxic and corrosive gases/vapours (carbon monoxide - carbon dioxide, sulphur oxides).

10.2. Chemical stability

Stable under normal conditions. Thermal decomposition temperature is above 80°C.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Harmful if swallowed.
Skin corrosion/irritation	: Causes severe skin burns and eye damage.

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LD50 oral rat	200 mg/kg
ATE oral	500,00000 mg/kg

C10-14 Alkyl benzene sulfonic acid (85536-14-7)

ATE oral	500,00000 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Aquatic: Water temperature affects biodegradation. The rate of sodium-C12 linear alkylbenzene sulfonic acids biodegradation in Chesapeake Bay water was max at 25-30 deg C and decreased at lower incubation temperatures. Sodium-C12 linear alkylbenzene sulfonic acids

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LC50 fishes 1	10,8 mg/l 96Hrs/rainbow trout
EC50 Daphnia 1	11-23 mg/l 48hrs

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

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Ecology - soil	The adsorption of sodium-C12 linear alkylbenzene sulfonic acids is affected by the type of soil. The affinity of the soil for surfactants competes with microbial attack, slowing biodegradation.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of in accordance with relevant local regulations.

SECTION 14: Transport information

14.1. UN number

UN-No. : 2586

14.2. UN proper shipping name

Proper Shipping Name : ALKYL SULPHONIC ACIDS, LIQUID / ARYL SULPHONIC ACIDS, LIQUID
Transport document description : UN 2586 ALKYL SULPHONIC ACIDS, LIQUID / ARYL SULPHONIC ACIDS, LIQUID, 8, III, (E)

14.3. Transport hazard class(es)

14.3.1. Overland transport

Class (ADR) : 8 - Corrosive substances
Hazard identification number (Kemler No.) : 80
Classification code (ADR) : C3
Danger labels (ADR) : 8 - Corrosive substances



Orange plates : 

Tunnel restriction code (ADR) : E
Limited quantities (ADR) : LQ07
Excepted quantities (ADR) : E1

14.3.2. Transport by sea

No additional information available

14.3.3. Air transport

No additional information available

14.4. Packing group

Packing group (ADR) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

No additional information available

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

No additional information available

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No additional information available

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (Oral) Category 4
Eye Dam. 1	Serious Eye Damage/Irritation Category 1
Skin Corr. 1A	Skin Corrosion/Irritation Category 1A
Skin Corr. 1B	Skin Corrosion/Irritation Category 1B
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
R22	Harmful if swallowed
R34	Causes burns
R35	Causes severe burns

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.