

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 16.01.2013

Vers.no.: 7

Revision: 16.01.2013

**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** LUTENSIT A-LBS
- **CAS Number:**  
85536-14-7
- **EC number:**  
287-494-3
- **Registration number** 01-2119490234-40-0026
- **Relevant identified uses of the substance or mixture and uses advised against** not determined.
- **Application of the substance / the preparation** Chemical intermediate
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Chemische Fabrik WIBARCO GmbH  
Postfach 16 62  
D-49466 Ibbenbüren  
Tel.: +49-(0)5459-910-0
- **Further information obtainable from:**  
Product safety  
Tel.: +49 (0)203 738 04-196  
E-Mail: juergen.mueller@hansagroup.de
- **Emergency telephone number:**  
GIZ-Nord, Göttingen, Germany  
+49 551 19240  
Member of EPECS Network

**2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1C      H314 Causes severe skin burns and eye damage.



GHS07

Acute Tox. 4      H302 Harmful if swallowed.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



C; Corrosive

R34: Causes burns.



Xn; Harmful

R22: Harmful if swallowed.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.

(Contd. on page 2)

**Safety data sheet**  
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Trade name: LUTENSIT A-LBS

(Contd. of page 1)

## · Hazard pictograms



GHS05 GHS07

· Signal word *Danger*

## · 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.

P273 Avoid release to the environment.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

P363 Wash contaminated clothing before reuse.

## · Other hazards

## · Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

### 3 Composition/information on ingredients

## · Chemical characterization: Substances

## · CAS No. Description

85536-14-7 Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.

## · Identification number(s)

· EC number: 287-494-3

## · Dangerous components:

CAS: 85536-14-7

Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.

≥97%

EINECS: 287-494-3

### 4 First aid measures

## · Description of first aid measures

· General information: Immediately remove any clothing soiled by the product.

· After inhalation: Supply fresh air; consult doctor in case of complaints.

## · After skin contact:

Immediately remove any clothing soiled by the product.

Immediately rinse with water.

Cover wound with a sterile dressing.

Call a doctor immediately.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

## · After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting - aspiration hazard. Call in a physician immediately and show him the Safety Data Sheet.

(Contd. on page 3)

**Safety data sheet**  
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Vers.no.: 7

Revision: 16.01.2013

Trade name: LUTENSIT A-LBS

(Contd. of page 2)

- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
Treat symptomatically  
No specific antidote known.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Water spray  
Fire-extinguishing powder  
Foam  
Carbon dioxide
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Sulphur dioxide (SO<sub>2</sub>)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter the sewage system.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- **Reference to other sections** See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep container tightly sealed.  
Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.  
shelf-life: 6 months
- **Storage class:** 8B Non-flammable corrosive materials
- **Specific end use(s)** No further relevant information available.

GB

(Contd. on page 4)

**Safety data sheet**  
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Vers.no.: 7

Revision: 16.01.2013

Trade name: LUTENSIT A-LBS

(Contd. of page 3)

### 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:** Not required.

· **DNELs**

Dermal	exposure-long term - systemic effects	170 mg/kg bw/day (worker)
Inhalative	exposure-long term - systemic effects	12 mg/m <sup>3</sup> (worker)

· **PNECs**

fresh water	0.268 mg/l (-)
intermittent releases	0.0167 mg/l (-)
marine water	0.0268 mg/l (-)
sediment	8.1 mg/kg sedimentdw (-)
sewage treatment plant	3.43 mg/l (-)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Use suitable respiratory protective device when high concentrations are present.

Filter A

· **Protection of hands:**



Protective gloves

EN 374

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: approx. 0.4 mm

· **Penetration time of glove material** Time for permeation > 480 min

· **Eye protection:**

Gauze goggles

Face protection

· **Body protection:**

Protective work clothing

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: fluid

Colour: Brown

· **Odour:** Pungent

(Contd. on page 5)

**Safety data sheet**  
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Vers.no.: 7

Revision: 16.01.2013

Trade name: LUTENSIT A-LBS

(Contd. of page 4)

· <b>pH-value (20 g/l) at 23 °C:</b>	1.5
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	-15 °C
<b>Boiling point/Boiling range:</b>	189 °C
· <b>Flash point:</b>	197 - 207 °C
· <b>Self-igniting:</b>	
<b>Self-ignition temperature:</b>	380-410 °C
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	0.1 hPa
· <b>Density at 20 °C:</b>	1.051-1.054 g/cm <sup>3</sup>
· <b>Relative density</b>	1.051-1.054 g/cm <sup>3</sup>
· <b>Surface tension at 25 °C:</b>	35 mN/m
· <b>Solubility in / Miscibility with water:</b>	> 16 g/100g Miscible.
· <b>Partition coefficient (n-octanol/water):</b>	3.2-3.32 log POW
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 20 °C:</b>	1077-1314 mm <sup>2</sup> /s
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
  - Reacts with light alloys in the presence of moisture to form hydrogen.
  - Reacts with alkali (lyes).
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** bases
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

Oral	LD50	1470 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Strong irritant
- **on the eye:** slightly irritant
- **Sensitization:** not sensitizing.

(Contd. on page 6)

GB

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Vers.no.: 7

Revision: 16.01.2013

**Trade name: LUTENSIT A-LBS**

(Contd. of page 5)

- **Subacute to chronic toxicity:**  
Mutagenicity: No mutagenicity according to various in vitro tests and in vivo studies.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

EC50	1 - 10 mg/l (Algae)
EC50/48 h	1 - 10 mg/l (Daphnia magna)
LC50/96 h	1 - 10 mg/l (Iepomis macrochirus fish)
NOEC	0.268 mg/l (-)

- **Persistence and degradability** Easily biodegradable
- **Other information:**  
value: >60 %  
sources: OECD 301B ISO 9439, 92/69/EWG, C.4-C  
value >60%  
OECD 301B ISO 9439, 92/69/EWG, C.4-C  
28 day(s)
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.  
Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1(VwVwS): slightly hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.
- **Uncleaned packaging:**
- **Recommendation:**  
Non contaminated packagings may be reused.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

## 14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN2586
- **UN proper shipping name**
- **ADR, IMDG, IATA** ALKYL SULPHONIC ACIDS, LIQUID

(Contd. on page 7)

**Safety data sheet**  
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(Contd. of page 6)

· **Transport hazard class(es)**· **ADR, IMDG, IATA**

· <b>Class</b>	8 Corrosive substances.
· <b>Label</b>	8
· <b>ADN/R Class:</b>	8

· **Packing group**· **ADR, IMDG, IATA** III· **Special precautions for user** Warning: Corrosive substances.· **Danger code (Kemler):** 80· **EMS Number:** F-A,S-B· **Segregation groups** Acids

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**· **ADR**· **Limited quantities (LQ)** 5L· **Transport category** 3· **Tunnel restriction code** E· **IMDG**· **UN-Number:**· **UN "Model Regulation":** UN2586, ALKYL SULPHONIC ACIDS, LIQUID, 8, III

### 15 Regulatory information

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

R22 Harmful if swallowed.

R34 Causes burns.

· **Abbreviations and acronyms:**

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

ICAO: International Civil Aviation Organization

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

(Contd. on page 8)

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(Contd. of page 7)

*LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**· Sources Literature value**· \* Data compared to the previous version altered.*

GB