

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

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

- **Product identifier**
- **Trade name: WALLISAP AS 98**
- **Article number:** 521027
- **CAS Number:**
85536-14-7
- **EC number:**
287-494-3
- **Registration number** 01-2119490234-40
- **Relevant identified uses of the substance or mixture and uses advised against .**
- **Sector of Use**
 SU2b Offshore industries
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 SU8 Manufacture of bulk, large scale chemicals (including petroleum products)
 SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
 SU12 Manufacture of plastics products, including compounding and conversion
- **Product category**
 PC9a Coatings and paints, thinners, paint removers
 PC9b Fillers, putties, plasters, modelling clay
 PC9c Finger paints
 PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents
 PC32 Polymer preparations and compounds
- **Process category**
 PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
 PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
 PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
 PROC4 Chemical production where opportunity for exposure arises
 PROC5 Mixing or blending in batch processes
 PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
 PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
 PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
- **Environmental release category**
 ERC1 Manufacture of the substance
 ERC2 Formulation into mixture
 ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
 ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
 ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
 ERC9a Widespread use of functional fluid (indoor)
 ERC9b Widespread use of functional fluid (outdoor)
- **Application of the substance / the mixture**
 Initial product for chemical reactions
 Cleaning agent/ Cleaner
- **Uses advised against** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Wall Chemie GmbH
 Am Selder 25
 D-47906 KEMPEN
 DEUTSCHLAND
 Tel.: +49 2152 8999 0
 Fax: +49 2152 516751
 E-Mail: sicherheit@wall-chemie.com
- **Further information obtainable from:** Safety and health group
- **Emergency telephone number:**
 This number is serviced during office hours: +49 2152 8999 0

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

Trade name: WALLISAP AS 98

(Contd. of page 1)

Giftinformationszentrum Nord 24h-Auskunft: +49 551 19240

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.
 Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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



GHS05 GHS07

- **Signal word** Danger
- **(Hazard-determining) components of labelling:**
 85536-14-7 Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.
- **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**
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 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.
 P391 Collect spillage.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Substances**
- **CAS No. Description**
 85536-14-7 Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

Trade name: WALLISAP AS 98

(Contd. of page 2)

- **Identification number(s)**
- **EC number:** 287-494-3

4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air or oxygen; call for doctor.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **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**
Risk of aspiration.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Sulphur oxides (SO_x)
Organic decomposition products
Carbon oxides (CO_x)
- **Advice for firefighters**
- **Protective equipment:** Use suitable breathing apparatus if necessary.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
Avoid contact with the eyes and skin.
- **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).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

EU
(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

Trade name: WALLISAP AS 98

(Contd. of page 3)

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Open and handle receptacle with care.
Wear protective clothing.
Do not eat, drink or smoke in working area.
- **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:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:** Combustible, corrosive hazardous substance
- **Specific end use(s)** No further relevant information available.

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:**

· DNELs

Oral	DNEL (Long-term, systemic effects)	0.85 mg/kg/d (consumer)
Dermal	DNEL (Long-term, systemic effects)	170 mg/kg/d (worker) 85 mg/kg/d (consumer)
Inhalative	DNEL (Long-term, systemic effects)	12 mg/m ³ (worker) 3 mg/m ³ (consumer)

· PNECs

PNEC	0.0268 mg/kg (seawater) 3.43 mg/kg (wastewater treatment plant)
------	--

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.
- **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device when aerosol or mist is formed.
Suitable respiratory protective (EN141), ABEK
Filter A/P2
- **Protection of hands:**



Protective gloves

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

Trade name: WALLISAP AS 98

(Contd. of page 4)

- **Material of gloves**
Butyl rubber, BR
Recommended thickness of the material: ≥ 0.7 mm
- **Penetration time of glove material**
Minimum breakthrough time : > 480 min (Permeation according to EN 374 Part 3: level 6)
- **Eye protection:**



Tightly sealed goggles (EN 166).

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Colour:	Brown
- **Odour:** Pungent
- **Odour threshold:** Not determined.
- **pH-value:** ~1
- **Change in condition**

Melting point/freezing point:	-10 °C
Initial boiling point and boiling range:	>185 °C
- **Flash point:** >210 °C (DIN 51376)
- **Flammability (solid, gas):** Not applicable.
- **Ignition temperature:** >310 °C (DIN 51794)
- **Decomposition temperature:** Not determined.
- **Auto-ignition temperature:** Not determined.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.
- **Vapour pressure at 20 °C:** <0.1 hPa
- **Density at 20 °C:** 1.05 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Fully miscible.
clearly soluble
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**

Dynamic at 20 °C:	2,400 mPas
Kinematic:	Not determined.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

Trade name: WALLISAP AS 98

(Contd. of page 5)

- | | |
|--------------------------|--|
| Other information | No further relevant information available. |
|--------------------------|--|

10 Stability and reactivity

- **Reactivity** Reacts with oxidising agents and strong bases
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Strong oxidising agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity**
Harmful if swallowed.
 - **LD/LC50 values relevant for classification:**
- | | | |
|------|------|----------------------------------|
| Oral | LD50 | 1470 mg/kg (rat) (REACH dossier) |
|------|------|----------------------------------|
- **Primary irritant effect:**
 - **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
 - **Serious eye damage/irritation**
Causes serious eye damage.
 - **Respiratory or skin sensitisation** No sensitising effects known.
 - **Additional toxicological information:**
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
 - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - **Germ cell mutagenicity** no data
 - **Carcinogenicity** no data
 - **Reproductive toxicity** no data
 - **STOT-single exposure** no data
 - **STOT-repeated exposure** no data
 - **Aspiration hazard** no data

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:**
According to CESIO-recommendation 10/2015 (Env. class.)
- | | |
|--------------------|------------------------|
| EC50 | >1 - ≤10 mg/l (daphne) |
| LC50 | >1 - ≤10 mg/l (fish) |
| chronic NOEC / ECx | 0.1-1.0 mg/l (--) |
- **Persistence and degradability**
readily biodegradable
Degradation rate >70% Time (d) 28 days Method OECD301 A
 - **Other information:** Literature
 - **Behaviour in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

Trade name: WALLISAP AS 98

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **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**
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- **Waste disposal key:**
Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|---------------------------------------|---|
| · UN-Number | |
| · ADR, IMDG, IATA | UN2586 |
| · UN proper shipping name | |
| · ADR | 2586 ARYLSULPHONIC ACIDS, LIQUID
(Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.) |
| · IMDG, IATA | ARYLSULPHONIC ACIDS, LIQUID |
| · Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
| |  |
| · Class | 8 Corrosive substances. |
| · Label | 8 |
| · Packing group | |
| · ADR, IMDG, IATA | III |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Warning: Corrosive substances. |
| · Danger code (Kemler): | 80 |
| · EMS Number: | F-A,S-B |
| · Segregation groups | Acids |

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.02.2019

Version number 3

Revision: 22.02.2019

Trade name: WALLISAP AS 98

(Contd. of page 7)

- | | |
|---|---|
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Limited quantities (LQ) | 5L |
| · Transport category | 3 |
| · Tunnel restriction code | E |
| · UN "Model Regulation": | UN2586, ARYLSULPHONIC ACIDS, LIQUID (Benzenesulfonic acid, 4-C10-13-sec-alkylderivs.), 8, III |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **Chemical safety assessment:** A Chemical Safety Assessment has not 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.

- **Department issuing SDS:** Safety and Health group
- **Contact:** Dr. Astrid Kawka, Dr. Dieter Kawka
- **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)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised 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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1C: Skin corrosion/irritation – Category 1C
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- *** Data compared to the previous version altered.**

EU