



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

2308501
Reviewed on: 08/09/2017

Printing date: 07/11/2017

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

- .
- **Trade name:**
BIO-TERGE AS-90 COARSE PA464 PA32 480k
- **Description**
Mixture
- **Article number:**
PA464
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Anionic surfactant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
.
The Soap Kitchen
Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford,
Devon EX39 3DX
Tel: 01237 420872 (+44 (0)1237 420872)
Email: it@thesoapkitchen.co.uk
-

02 Hazards identification

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



GHS05

Eye Dam. 1 - H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 - H315 Causes skin irritation.

- **Label elements**
- Labelling according to Regulation (EC) No 1272/2008



GHS05

- **Signal word**
Danger
- **Hazard-determining components of labelling:**
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts
- **Hazard statements**
H318 Causes serious eye damage.
H315 Causes skin irritation.
- **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P302+P352 IF ON SKIN: Wash with plenty of water/...

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




- **Other hazards**
- *Results of PBT and vPvB assessment*
- **PBT:**
Not applicable.
- **vPvB:**
Not applicable.

03 Composition/information on ingredients

- **Chemical characterization:**

- **Description:**
Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS N°	D	escription/Index R-phrases	%
		Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	80,00-100,00
		EC number: 931-534-0	
		Record number 01-2119513401-57-0004	
		 Eye Dam. 1 - H318;  Skin Irrit. 2	
		- H315	
1300-72-7		Sodium xylenesulphonate	3,00 - 10,00
		EC number: 215-090-9	
		Record number 01-2119513350-56-0001 (SUK)	
		 Eye Irrit. 2 - H319	

04 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 wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Call a doctor immediately.
- **After swallowing:**
Rinse mouth carefully.
Do not induce vomiting; call for medical help immediately.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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05 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray. water spray.
- **For safety reasons unsuitable extinguishing agents:**
Water with full jet
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Sulphur dioxide (SO₂)
Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:**
Mount respiratory protective device.

06 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with the eyes and skin.
Avoid formation of dust.
Mount respiratory protective device.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Allow to solidify. Pick up mechanically.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

07 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Avoid contact with the eyes and skin.
- **Information about fire - and explosion protection:**
Dust can combine with air to form an explosive mixture.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Store away from oxidizing agents.
Store in cool, dry place in tightly closed receptacles.
- **Further information about storage conditions:**
Keep container tightly sealed.
- **Specific end use(s)**
No further relevant information available.

08 Exposure controls/personal protection

- **Additional information about design of technical facilities:**
No further data; see item 7.
- **Control parameters**
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts
- **DNEL WORKERS**
Long term exposure - systemic effects, Inhalation : DNEL = 152,22 mg/m³

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Long term exposure - systemic effects, Dermal DNEL = 2158,33 mg/kg bw/day

- **DNEL GENERAL POPULATION**

Long term exposure - systemic effects, Dermal DNEL = 1295 mg/kg bw/day

Long term exposure - systemic effects, Inhalation : DNEL = 45,04 mg/m3

Long term exposure - systemic effects, Oral : DNEL : 12,95 mg/kg bw/day

- **PNEC WATER**

PNEC (freshwater) : 0,042 mg/L

PNEC (marine water): 0,0042 mg/L

PNEC (intermittent releases) : 0,042 mg/L

- **PNEC SEDIMENT**

PNEC (freshwater) : 2,025 mg/kg

PNEC (marine water) : 0,2025 mg/Kg

- **PNEC SOIL**

PNEC (soil) : 0,0061 mg/kg

- **PNEC SEWAGE TREATMENT PLANT**

PNEC (STP) : 4 mg/L

- **Ingredients with limit values where monitoring at the workplace is recommended :**

The product does not contain any relevant quantities of materials with critical values where monitoring at the workplace is recommended.

- **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.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Do not inhale dust / smoke / mist.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Safety shower at proximity.

Eye wash station at proximity.

- **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. PVC gloves

- **Eye protection:** Tightly sealed goggles Face protection

- **Body protection:** Protective work clothing Boots

09 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Appearance:****Form:** beads**Colour:** White, Light yellow**Odour:** Light**Odour threshold:** Not determined.**pH-value:** at 20,00 °C 8,0 - 10,0 (50,000 g/l water)**Change in condition****Boiling point/Boiling range:** Undetermined.**Flash point:** Not applicable.**Self-igniting:** Not determined.**Danger of explosion:** Not determined.**Density:** Not determined.**Solubility in / Miscibility with****water:** Easily soluble.

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Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

10 Stability and reactivity

- *Reactivity*
- *Chemical stability*
- **Thermal decomposition / conditions to be avoided:**
To avoid thermal decomposition do not overheat.
- *Possibility of hazardous reactions*
- *Conditions to avoid*
No further relevant information available.
- **Incompatible materials:**
No further relevant information available.
- *Dangerous reactions*
Reacts with acids, alkalis and oxidizing agents.
- **Hazardous decomposition products:**
Sulphur oxides (SO_x)
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- *LD/LC50 values relevant for classification:*
**Sulfonic acids, C14-16 (even numbered)-alkane
hydroxy and C14-16 (even numbered)-alkene, sodium
salts**
Oral, DL50: 2079 mg/kg (rat)
Dermal, DL50: 6300 mg/kg (Rabbit)
- *Irritation / Corrosivity*
- *on the skin:*
Irritant to skin and mucous membranes.
- *on the eye:*
Strong irritant with the danger of severe eye injury.
- *Sensitization:*
No sensitizing effects known.
- *Repeated dose toxicity*
NOAEL (oral/chronic; rat) : 259 mg/Kg/day
- *CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)*
- *Carcinogenicity*
Not classified (data available on the substance).
- *Mutagenicity*
Not classified (data available on the substance).
- *Reproductive toxicity*
Not classified (data available on the substance).

12 Ecological information

- *Toxicity*
- *Aquatic toxicity:*
**Sulfonic acids, C14-16 (even numbered)-alkane
hydroxy and C14-16 (even numbered)-alkene, sodium
salts**

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CL50: 4,2 mg/l (fish)
CE50: 4,53 mg/l (daphnia)
CI50: 5,2 mg/l (alga)

- **Persistence and degradability**
- **Other information:**
The product is readily biodegradable.
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system.
- **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 be specially treated adhering to official regulations.
Contact manufacturer for recycling information.
Do not empty into drains and avoid release to the environment. This product must be disposed in a certificated hazardous or special waste collection point.
- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Packaging may be reused or recycled after cleaning.
If recycling is not possible, dispose according to the local regulations.
- **Recommended cleansing agents:**
Water, if necessary together with cleansing agents.

14 Transport information

- **UN-Number**
- ADR Void
- IMDG Void
- IATA Void
- **UN proper shipping name**
- ADR Void
- IMDG Void
- IATA Void
- **Transport hazard class(es)**
- ADR
- Class Void
- IMDG
- Class Void
- IATA
- Class Void
- **Packing group**
- ADR Void
- IMDG Void
- IATA Void
- **Environmental hazards:**
Not applicable.
- **Special precautions for user**
Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

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- **Transport/Additional information:**
Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
This safety data sheet is in compliance with the Regulation (EC) N° 1907/2006
- **Chemical safety assessment:**
A Chemical Safety Assessment has been carried out on the substance EC # 931-534-0. No Chemical Safety Assessment on the mixture.
- **Other data**
Contact point : sds.contact@stepaneurope.com

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**

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

- **Department issuing MSDS:**
Regulatory Affairs Departement

Particular information

Alterations are indicated by asterisk *.

- **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)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative