



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

2304900
Reviewed on: 20/07/2017

Printing date: 10/08/2017

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

- .
- **Trade name:**
BIO-TERGE AS-40 KSB PA006TO47 1000k
- **Description**
Mixture
- **Article number:**
PA006
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Anionic surfactant
Detergents
- **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
- .

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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.

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- * EUH208 Contains mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2-isothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6]. May produce an allergic reaction.
- * Precautionary statements
 - P264 Wash thoroughly after handling.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - 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.
 - P310 Immediately call a POISON CENTER/doctor/...
- * **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	description/Index R-phrases	%
*		Sulfonic acids, C14-16 (even numbered)-	20,00- 40,00
*		alkane hydroxy and C14-16 (even numbered)-	
*		alkene, sodium salts	
*		EC number: 931-534-0	
*		Record number 01-2119513401-57-0004	
*		 Eye Dam. 1 - H318;  Skin Irrit. 2	
*		- H315	
*		• Additional information: <ul style="list-style-type: none">See particular information, point 16.	

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:**
The product is not flammable.
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)
- **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.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Prevent from spreading (e.g. by damming-in or oil barriers).
- **Methods and material for containment and cleaning up:**
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.
Avoid contact with the eyes and skin.
Wash hands before each break and after finishing work.
- 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:**
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep container tightly sealed.
- **Recommended storage temperature:**
25 - 45 °C
- **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.
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:** Not necessary if room is well-ventilated.
- **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:	Fluid
Colour:	Yellow
Odour:	Light
Odour threshold:	Not determined.
pH-value:	at 25,00 °C 5,0 - 6,5 (100,000 g/l water)

Change in condition

Melting point/Melting range: Undetermined.**Boiling point/Boiling range:** 100,0 °C**Flash point:** Not applicable.**Self-igniting:** Not determined.**Danger of explosion:** Not determined.**Density:** 1,0600 g/cm3 (25°C)

Solubility in / Miscibility with

water: Soluble.**Viscosity:**

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*	Dynamic:	at 25,00 °C	500 cP
*	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 (SOx)
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 fish, CL50 : 4,2 mg/l ; daphnia, CE50 : 4,53 mg/l ; alga, CI50 : 5,2 mg/l ; alga, NOEC : 3,2 mg/l .
- **Persistence and degradability**
- *Other information:*

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- 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.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.
- **Transport/Additional information:**
Not applicable.

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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

- **REGULATION (EC) No 1907/2006 ANNEX XVII**

Conditions of restriction: 3

- **Chemical safety assessment:**

A Chemical Safety Assessment has been carried out.

- **Other data**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) N° 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.

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.

- **Department issuing MSDS:**

Regulatory Affairs Departement

- **Particular information**

The following CAS-numbers 68439-57-6, xxxxx-xx-x may be used alternatively to EC-number 931-534-0. They are equal for the purpose of safety (REACH).

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

- *** Data compared to the previous version altered.**