

The Soap Kitchen

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TENSOPOL USP94

Version 2.0

Print Date 2011/04/01

Revision Date 2011/04/01

MSDS code: MZZZ525

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

1.1. Product identifier

Trade name : TENSOPOL USP94
Substance name : Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
CAS-No. : 85586-07-8
EC-No. : 287-809-4

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

Recommended restrictions on use : At that time we do not yet have information on use restrictions. They will be included in this safety data sheet when available.

1.3. Details of the supplier of the safety data sheet

Company : The Soap Kitchen
Unit 2 D&E Hatchmoor Industrial Estate
Torrington, Devon. EX38 7HP
Telephone: 01805622944
E-mail address : info@thesoapkitchen.co.uk

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Flammable solids	Category 2	---	H228

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Acute toxicity	Category 4	---	H302
Acute toxicity	Category 4	---	H332
Skin corrosion/irritation	Category 2	---	H315
Serious eye damage/eye irritation	Category 1	---	H318
Specific target organ toxicity - single exposure	Category 3	---	H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Flammable (F)	R11
Harmful (Xn)	R20/22
Irritant (Xi)	R37/38, R41

For the full text of the R-phrases mentioned in this Section, see Section 16.

Potential environmental effects : See section 12 for environmental information.
No further information available.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols : 

Signal word : Danger

Hazard statements : H228 Flammable solid
H302 Harmful if swallowed.
H315 Causes skin irritation.

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	H318	Causes serious eye damage.
	H332	Harmful if inhaled.
	H335	May cause respiratory irritation.
Precautionary statements		
Prevention	: P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P240	Ground/bond container and receiving equipment.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P284	Wear respiratory protection.
Response	: P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
	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 or doctor/ physician.

Hazardous components which must be listed on the label:

- Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

2.3. Other hazards

No other information is available.

3. Composition/information on ingredients

3.1. Substances

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Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts				
CAS-No.	: 85586-07-8	Flam. Sol.2	H228	F; R11
EC-No.	: 287-809-4	Acute Tox.4	H302	Xn; R20/22
		Acute Tox.4	H332	Xi; R37/38-R41
	<= 100	Skin Irrit.2	H315	
		Eye Dam.1	H318	
		STOT SE3	H335	

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1. Description of first aid measures

- General advice : Take off all contaminated clothing immediately.
- If inhaled : Move to fresh air in case of accidental inhalation of vapours. If symptoms call a physician. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.
- In case of skin contact : After contact with skin, wash immediately with plenty of water. If symptoms call a physician.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
- If swallowed : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately.

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

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Symptoms : No further information available.

Effects : No further information available.

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

Treatment : Treat symptomatically.
No further information available.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire fighting : The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Flash back possible over considerable distance. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)

Further information : Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise - with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Keep away from heat and sources of ignition.

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Avoid contact with skin and eyes. Do not breathe vapours or spray mist. For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage areas and containers : Keep in an area equipped with solvent resistant flooring. Keep only in the original container.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking. The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Take measures to prevent the build up of electrostatic charge. Use only in an area containing explosion proof equipment.

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Keep away from heat. Keep in a well-ventilated place.

Advice on common storage : Incompatible with oxidizing agents. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

Specific use(s) : No information available.

8. Exposure controls/personal protection

8.1. Control parameters

Other OELs

(Additional) Information : Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Engineering measures

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice : Required, if exposure limit is exceeded (e.g. OEL).
Recommended Filter type:A

Hand protection

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Advice : The glove material has to be impermeable and resistant to the product / the substance / the preparation.
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Protective gloves should be replaced at first signs of wear.
The following materials are suitable:
Nitrile rubber

Break through time : > 120 min
Glove thickness : 0.4 mm

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Wear personal protective equipment.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form : powder
Colour : light yellow
to
white
Odour : Do not attempt to smell the product as it is
hazardous.
Odour Threshold : Currently we do not have any Information from our
supplier about this.
pH : 8 - 10

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Freezing point	:	Currently we do not have any Information from our supplier about this.
Boiling point/boiling range	:	187 °C (1010 hPa) (OECD Test Guideline 103)
Flash point	:	206.5 °C (1013 hPa)
Evaporation rate	:	Currently we do not have any Information from our supplier about this.
Flammability (solid, gas)	:	Highly flammable.
Upper explosion limit	:	Currently we do not have any Information from our supplier about this.
Lower explosion limit	:	Currently we do not have any Information from our supplier about this.
Vapour pressure	:	Currently we do not have any Information from our supplier about this.
Relative vapour density	:	Currently we do not have any Information from our supplier about this.
Relative density	:	1.155 (20 °C) (OECD Test Guideline 109)
Water solubility	:	350 g/l (20 °C)
Partition coefficient: n-octanol/water	:	Kow <= 2.42 (20 °C) (OECD Test Guideline 107)
Ignition temperature	:	> 302 °C
Thermal decomposition	:	Currently we do not have any Information from our supplier about this.
Viscosity, dynamic	:	Currently we do not have any Information from our supplier about this.
Explosivity	:	Formation of explosive air/vapour mixtures is possible.
Oxidizing properties	:	Currently we do not have any Information from our supplier about this.

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9.2. Other information

Surface tension : 29.9 mN/m (23 °C)

10. Stability and reactivity

10.1. Reactivity

Advice : No information available.

10.2. Chemical stability

Advice : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4. Conditions to avoid

Conditions to avoid : > 50 °C
Heat, flames and sparks.

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents
Acids

10.6. Hazardous decomposition products

Hazardous decomposition products : Under fire conditions:
Carbon oxides
Possible decomposition products in case of hydrolysis are:
sulphuric acid

11. Toxicological information

11.1. Information on toxicological effects

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Acute toxicity

Oral

LD50 : 1800 mg/kg (rat)
Harmful if swallowed.

Inhalation

: Harmful by inhalation.

Dermal

LD50 : 2000 mg/kg)

Irritation

Skin

Result : Irritating to skin.

Eyes

Result : (rabbit) (OECD Test Guideline 405)
Risk of serious damage to eyes.

Sensitisation

Result : (guinea pig)
not sensitizing

CMR effects

CMR Properties

Carcinogenicity : Did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.

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12. Ecological information

12.1. Toxicity

Acute toxicity

Fish

LC50 : 3.6 mg/l (Oncorhynchus mykiss; 96 h) (Toxicity to fish; OECD 203)

Toxicity to daphnia and other aquatic invertebrates.

EC50 : 4.7 mg/l (Daphnia; 48 h) (Toxicity to daphnia; EG 92/69)

algae

EC50 : > 20 mg/l (Scenedesmus subspicatus; 72 h) (Toxicity to algae; OECD Test Guideline 201)

Bacteria

EC10 : 1083 mg/l (Pseudomonas putida; 16 h) (Toxicity to bacteria; DIN 38412)

Chronic toxicity

Fish

NOEC : 0.508 mg/l (Pimephales Promelas; 45 d)

Aquatic invertebrates

NOEC : 0.508 mg/l (Daphnia magna (Water flea); 21 d)

12.2. Persistence and degradability

Persistence and degradability

Biodegradability

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Result : 75.7 % (Exposure Time: 28 d)(OECD 301 B)
Readily biodegradable

12.3. Bioaccumulative potential

12.4. Mobility in soil

Surface tension

Result : 29.9 mN/m (23 °C)

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

13. Disposal considerations

13.1. Waste treatment methods

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product. Do not burn, or use a cutting torch on, the empty drum. Risk of explosion.

European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

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14. Transport information

14.1. UN number

1325

14.2. UN proper shipping name

ADR : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Sulfuric acid, mono-C12-14-alkyl esters, sodium salts)

RID : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Sulfuric acid, mono-C12-14-alkyl esters, sodium salts)

IMDG : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Sulfuric acid, mono-C12-14-alkyl esters, sodium salts)

14.3. Transport hazard class(es)

ADR-Class : 4.1
(Labels; Classification Code; Hazard
identification No; Tunnel restriction code) 4.1; F1; 40; (E)

RID-Class : 4.1
(Labels; Classification Code; Hazard
identification No) 4.1; F1; 40

IMDG-Class : 4.1
(Labels; EmS) 4.1; F-A, S-G

14.4. Packaging group

ADR : III
RID : III
IMDG : III

14.5. Environmental hazards

Labeling according to 5.2.1.8 ADR : no
Labeling according to 5.2.1.8 RID : no
Labeling according to 5.2.1.6.3 IMDG : no
Classification as environmentally : no

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hazardous according to 2.9.3 IMDG

14.6. Special precautions for user

Not applicable.

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

IMDG : Not applicable.

15. Regulatory information

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

15.2. Chemical Safety Assessment

Currently we do not have any Information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3.

R11	Highly flammable.
R20/22	Harmful by inhalation and if swallowed.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.

Full text of H-Statements referred to under sections 2 and 3.

H228	Flammable solid
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Further information

Other information : The information provided in this Safety Data Sheet is correct to

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our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.