

Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)
Date of issue: 29.04.2019 Supersedes edition of: 21.10.2015

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

1.1 Product identifier

Product name: Sanipur Foam

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

Identified uses: Sanitary cleaner

1.3 Details of the supplier of the safety data sheet

Company: Otto Oehme GmbH
 Industriestraße 20
 D-90584 Allersberg Deutschland
 Tel. +49 9176 98050
 info@oehme-lorito.de

1.4 Emergency telephone number

GIZ Nord Poisons Centre, Göttingen Tel. +49 (0) 551 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1A, H314

Eye Dam. 1, H318

Full text of hazard statements: See under section 16.

2.2 Label elements

Labelling (Regulation (EC) No. 1272/2008)

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P260 Do not breathe vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

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lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.

Contains: Methanesulfonic acid, Alkylamidopropylbetaine.

2.3 Other hazards

None known.

SECTION 3: Composition / information on ingredients

Solution in water.

Hazardous components (Regulation (EC) No. 1272/2008)

Chemical name	Content			
CAS-No.	EC-No.	EC-Index-No.	Classification	
Methanesulfonic acid	> 10 – < 20 %			
75-75-2	200-898-6	607-145-00-4	Met. Corr. 1, H290 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335	

REACH Registration Number: 01-2119491166-34

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	< 5 %			
61789-40-0	263-058-8		Eye Dam. 1, H318	

REACH Registration Number: 01-2119488533-30

Ethanol	< 10 %			
64-17-5	200-578-6	603-002-00-5	Flam. Liq. 2, H225 Eye Irrit. 2, H319	

REACH Registration Number: 01-2119457610-43

Ethyl methyl ketone	< 0.1 %			
78-93-3	201-159-0	606-002-00-3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

REACH Registration Number: 01-2119457290-43

Full text of hazard statements: See under section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Fresh air.

Call in physician if feeling unwell.

After skin contact: Wash off with plenty of water. Immediately remove contaminated clothing.

Consult a physician if skin irritations occur.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist immediately.

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After swallowing: Make victim drink plenty of water (two glasses at most), avoid vomiting (risk of perforation). Immediately call in physician. Do not attempt to neutralise.

4.2 Most important symptoms and effects, both acute and delayed

Irritation and corrosion, cough, shortness of breath, dizziness, nausea, vomiting, headache.
Risk of blindness.
Drying-out effect resulting in rough and chapped skin.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

For this substance / mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Further information

Prevent fire-fighting water from entering surface water or groundwater.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Caution: Risk of slipping.

Do not inhale vapours/aerosols. Avoid substance contact. Use personal protective equipment as required, see section 8.2. Ensure supply of fresh air in enclosed rooms. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not get undiluted into sewerage system.

6.3 Methods and material for containment and cleaning up

Take up with incombustible liquid-absorbent material. Forward for disposal. Clean up affected area.

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6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Notes for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapours/aerosols. Avoid generation of vapours/aerosols.

Notes for prevention of fire and explosion

Not required.

7.2 Conditions for safe storage, including any incompatibilities

Store cool above 5 °C. Keep away from sun and heat. Tightly closed in a well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ethanol

EH40 WEL

Name	Ethanol
Time weighted average (TWA)	1000 ppm 1920 mg/m ³

Ethyl methyl ketone

ECTLV

Name	Butan-2-one
Limit value 8 hours	200 ppm 600 mg/m ³

Short term (< 15 min.)	300 ppm 900 mg/m ³
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EH40 WEL

Name	Butan-2-one
Short term exposure limit (STEL)	300 ppm 899 mg/m ³

Time weighted average (TWA)	200 ppm 600 mg/m ³
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Skin designation	Can be absorbed through the skin.
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8.2 Exposure controls

Individual protection measures

Protective clothing should be selected specifically for the working place, depending on

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concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection:

Tightly fitting safety goggles (EN 166).

Hand protection:

Material: Nitrile rubber.

Thickness: 0.1 mm

Breakthrough time: > 480 min

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374, e.g. Franz Mensch Nitrile Safe Premium.

This recommendation applies only to the product stated in the safety data sheet supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Respiratory protection:

Required when vapours/aerosols are generated. Filter A2 P2 (EN 14387).

Other protective equipment

Acid-resistant protective clothing.

Hygiene measures

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands after working with substance.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	liquid
Colour:	red
Odour:	characteristic
pH value	< 1
Melting point	not specified
Boiling point	not specified
Ignition temperature	not applicable
Flash point	not applicable
Explosion limits	lower
	upper
Density (23 °C)	~ 1 g/cm ³
Viscosity, dynamic	not specified
Solubility in water	soluble

9.2 Other information

None.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Forms explosive mixtures with air on intense heating.

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10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Violent reactions possible with:

Strong alkalis, oxidizing agents, strong reducing agents, amines, hydrogen fluoride, acids.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Lead, iron, copper, brass, mild steel, corrosive substances, halogenes, bases, acids, reactive chemicals.

10.6 Hazardous decomposition products

See section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD₅₀ rat: 649 mg/kg (OECD 401; Methanesulfonic acid)

Symptoms: If ingested, severe burns of the mouth and throat, as well as danger of perforation of the oesophagus and the stomach.

LD₅₀ rat: > 2000 mg/kg (external MSDS; Alkylamidopropylbetaine)

LD₅₀ rat: 10470 mg/kg (OECD 401; Ethanol)

Symptoms: Nausea, vomiting.

Acute dermal toxicity

LD₅₀ rabbit: > 1000 – 2000 mg/kg (OECD 402; Methanesulfonic acid)

LD₅₀ rat: > 2000 mg/kg (external MSDS; Ethanol)

Symptoms: Dermatitis, drying-out effect resulting in rough and chapped skin.

Acute inhalation toxicity

Symptoms: Mucosal irritations, cough, shortness of breath. Possible damages: Damage of respiratory tract, lung oedema, Symptoms may be delayed.

LC₅₀ rat: 124.7 mg/l /4 h vapour (OECD 403; Ethanol)

Symptoms: Slight mucosal irritations, absorption.

Skin irritation

Causes burns (external MSDS; Methanesulfonic acid).

No irritation (external MSDS; Alkylamidopropylbetaine).

Rabbit: No irritation (OECD 404; Ethanol).

Eye irritation

Rabbit: Causes burns. (IUCLID; Methanesulfonic acid).

Causes serious eye damage. Risk of blindness!

Risk of serious damage to eyes. (external MSDS; Alkylamidopropylbetaine).

Rabbit: Eye irritation (OECD 405; Ethanol).

Causes serious eye irritation.

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Sensitisation

Sensitisation test (Bühler-test Guinea pig): Negative (external MSDS; Methanesulfonic acid).
Laboratory animal: Negative (external MSDS; Alkylamidopropylbetaine).
Sensitisation test (Magnusson and Kligman): Negative (IUCLID; Ethanol).

Genotoxicity in vivo

In vivo micronucleus test, mouse, male and female, oral, bone marrow: Negative (OECD 474; Methanesulfonic acid).

Genotoxicity in vitro

Ames test: Salmonella typhimurium: Negative (OECD 471; Methanesulfonic acid).
Ames test: mutagenicity: Negative (external MSDS; Alkylamidopropylbetaine).
Ames test: Salmonella typhimurium: Negative (National Toxicology Program; Ethanol).
Mutagenicity (mammal cell test): Mouse lymphoma test: Negative (OECD 476; Ethanol).

Mutagenicity

In vitro mammalian cell gene mutation test: Negative (OECD 476; Methanesulfonic acid).
Bacteria: No evidence of genotoxic potential (external MSDS; Methanesulfonic acid).
Mammal cell cultures: No evidence of mutagen potential (Methanesulfonic acid).
Mammals: No evidence of mutagen potential (external MSDS; Methanesulfonic acid).

Specific target organ toxicity - single exposure

May cause respiratory irritation. Target Organs: Respiratory system (external MSDS; Methanesulfonic acid).

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

No aspiration toxicity classification.

11.2 Further information

Systemic effects: Nausea, vomiting, dizziness, headache.

Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

Oncorhynchus mykiss LC₅₀: 73 mg/l /96 h (OECD 203; Methanesulfonic acid)
Leuciscus idus LC₅₀: 8140 mg/l /48 h (IUCLID; Ethanol)

Toxicity to daphnia and other aquatic invertebrates

Daphnia magna EC₅₀: 70 mg/l /48 h (OECD 202; Methanesulfonic acid)
Daphnia magna: EC₅₀: 9268-14221 mg/l /48 h (IUCLID; Ethanol)
Entosiphon sulcatum: EC₅: 65 mg/l /72 h (maximum permissible toxic concentration; external MSDS; Ethanol)

Toxicity to algae

Pseudokirchneriella subcapitata EC₅₀: 12 – 24 mg/l /72 h (OECD 201; Methanesulfonic acid)
Scenedesmus quadricauda: IC₅: 5000 mg/l / 7 d (maximum permissible toxic concentration;

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external MSDS; Ethanol)

Toxicity to bacteria

Activated sludge: EC₂₀: > 1000 mg/l / 30 min (OECD 209; Methanesulfonic acid)

Pseudomonas putida EC₅: 6500 mg/l / 16 h (maximum permissible toxic concentration; IUCLID; Ethanol)

12.2 Persistence and degradability

Biodegradability

The surfactants contained in this preparation 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.

Biodegradation: > 90 % / 28 d (OECD 301 A; Methanesulfonic acid).

Readily biodegradable (Methanesulfonic acid).

Biodegradation: > 80 % / 28 d (external MSDS; Alkylamidopropylbetaine).

Readily biodegradable (Alkylamidopropylbetaine).

Biodegradation: 94 % (OECD 301E; Ethanol)

Readily biodegradable (Ethanol)

Biochemical oxygen demand (BOD)

930-1670 mg/g / 5 d (external MSDS; Ethanol)

Chemical oxygen demand (COD)

1000000 mg/L (DIN 38409 T.41; Alkylamidopropylbetaine)

Theoretical oxygen demand (ThOD)

2100 mg/g (external MSDS; Ethanol)

Ratio COD / ThBOD

90 % (external MSDS; Ethanol)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol / water: log P_{OW}: -2.38 (external MSDS; calculated; Methanesulfonic acid).

No bioaccumulation is to be expected (Methanesulfonic acid).

Partition coefficient: n-octanol / water: log P_{OW}: -0.31 (external MSDS; Ethanol).

No bioaccumulation is to be expected (Ethanol).

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects

Additional ecological information:

Biological effects: Forms corrosive mixtures with water even if diluted.

Do not allow to enter waters, waste water, or soil!

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SECTION 13: Disposal considerations**13.1 Waste treatment methods***Product:*

Chemicals must be disposed of in compliance with the respective national regulations.

Code of the waste	Name according to directive 2000/532/EC:
200129*	Detergents containing dangerous substances.
070601*	Aqueous washing liquids and mother liquors.

Packaging:

Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.

Code of the waste	Name according to directive 2000/532/EC:
200139	plastics.

SECTION 14: Transport information*Road and rail, ADR/RID*

UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Methanesulfonic acid), 8, II (E)
Environmentally hazardous: No.

Inland waterway, ADN

Not tested.

Sea, IMDG-Code

UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Methanesulfonic acid), 8, II
EmS: F-A, S-B
Marine pollutant: No.

Air, IATA-DGR

UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Methanesulfonic acid), 8, II
Environmentally hazardous: No.

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture***EU regulations*

Ingredients according to Regulation (EC) on detergents No. 648/2004:

Non-ionic surfactants: Less than 5 %
Amphoteric surfactants: Less than 5 %

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Reason for revision:

SECTION 2: Hazards identification
SECTION 3: Composition / information on ingredients
SECTION 6: Accidental release measures
SECTION 9: Physical and chemical properties
SECTION 10: Stability and reactivity
SECTION 11: Toxicological information
SECTION 12: Ecological information

Full text of hazard statements referred to under sections 2 and 3:

H225 Highly flammable liquid and vapour.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.