

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## SURF

Compilation date: 03.01.2018  
Revision date: 11.07.2018

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

#### 1.1 Product identifier

SURF

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

Use of the substance/mixture

inapplicable

#### 1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH  
Street: Marsstraße 9  
Place: 85609 Aschheim by Munich  
Germany  
Tel: +49 (0)89 / 14 33 29 3-0  
Fax: +49 (0)89 / 14 33 29 3-29  
E-Mail: info@arcora.de

1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Hazard categories:

Skin Irrit. 2, H315

Eye Irrit. :2, H319

Hazard statement:

Causes serious eye irritation. Causes skin irritation.

#### 2.2 Label elements

Signal word: Warning  
Pictograms: GHS07



#### Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

#### Precautionary statements

**General:** Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

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- Prevention:** Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.
- Response:** IF ON SKIN (or hair): Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- Storage:** Store locked up.
- Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations
- Hazards not otherwise classified:**  
Tetranatriummethylenediamintetraacetat

### 2.3 Other information

None known.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixture

#### Hazardous ingredients

EG-No.	Chemical name	Quantity
CAS-No.		
Directory	Classification according to information (EG) Nr. 1272/2008 CLP]	
REACH-No.		
200-573-9	Tetranatriummethylenediamintetraacetat	≥ 3 - < 5 %
64-02-8		
607-428-00-2	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318.	

Full text of H and EUH statements: see section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### After inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.



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### After skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### After eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

## After ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

Causes serious eye irritation. Causes skin irritation.

Potential acute health effects:

Inhalation	No specific data.
Skin contact	Adverse symptoms may include the following: pain or irritation redness
Eye contact	Adverse symptoms may include the following: pain watering redness
Ingestion	Adverse symptoms may include the following: stomach pains

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## SECTION 5: Firefighting measures

## 5.1 Extinguishing media

### Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

## 5.2 Special hazards arising from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst.

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### Hazardous thermal decomposition products:

Decomposition products may include the following materials:  
Carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides

### 5.3 Advice for firefighters

#### Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

#### Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

### 6.2 Environmental measures

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the responsible authorities if the product has caused environmental pollution.

### 6.3 Methods and materials for containment and cleaning up

#### Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Lager spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)

not available

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits (TRGS 900)

The route of exposure is none known.

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## 8.2 2 Individual protection measures

### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

### Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	blue
Odour:	citrus

pH-value (at 20 °C):

11,5-12,5

**Test method**

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### Changes in the physical state

Melting point: approx. 0 °C  
Initial boiling point and boiling range: approx. 100 °C  
Flash point: Closed cup: > 93,334 °C

### Flammability

Solid: not applicable  
Gas: not applicable  
Lower explosion limits: not determined  
Upper explosion limits: not determined

### Auto-ignition temperature

Solid: not applicable  
Gas: not applicable  
Decomposition temperature: not determined

### Oxidizing properties

not oxidising.

Vapor pressure: < 4 kPa (room temperature)  
Density: 1,06 g/cm<sup>3</sup>  
Water solubility: not available

### Solubility in other solvents

not determined

Partition coefficient: not applicable  
Dyn. Viscosity (at 25 °C): not applicable  
Vapour density: < 1  
Evaporation rate: not determined  
VOC-Gehalt: < 1 %

### 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

The product is stable

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

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### 10.4 Conditions to avoid

No specific data.

### 10.5 Incompatible materials

Reactive or incompatible with the following materials: acids

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

CAS-No.	Chemical name				
	Route of exposure	Method	Dose	Species	Source
	Tetranatriummethyldiamintetraacetat				
	oral	LD50	10 g/kg	Rat	

#### Irritation/Corrosion

Chemical name	Result	Species	Score	Exposure	Obsevation
Tetranatriummethyldiamintetraacetat	Eyes - Moderate irritan	Rabbit	-	24 hours 100 mg	-
	Skin - Moderate irritan	Rabbit	-	24 hours 500 mg	-

#### Potential acute health effects Inhalation

Causes serious eye irritation. Causes skin irritation.

#### Symptoms related to the physical, chemical and toxicological characteristic

Inhalation	No spezific data.
Skin contact	Adverse symptoms may include the following: pain or irritation redness
Eye contact	Adverse symptoms may include the following: pain watering redness
Ingestion	Adverse symptoms may include the following: stomach pains

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Tetranatriummethyldiamintetraacetat	Acute LC50 486000 µg/l fresh water	Fish - Lepomis macrochirus	96 Hours

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### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Chemical name	LogP <sub>ow</sub>	BCF	Potential
Tetranatriummethylenediaminetetraacetat	5,01	1,8	low

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

inapplicable

### 12.6 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

### Land transport (ADR/RID)

14.1 UN-number UN3267

### 14.2 UN proper shipping name

Corrosive Liquid, Basic, Organic, N.O.S. (Tetrasodium ethylenediaminetetraacetate)

### 14.3 The transport hazard class

8



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### 14.4 Packing group

III

### Other relevant information about land transport

Corrosive for aluminium

### 14.5 Environmental hazards

no

### River transport (ADN)

14.1 UN-number UN3267

### 14.2 UN proper shipping name

Corrosive Liquid, Basic, Organic, N.O.S. (Tetrasodium ethylenediaminetetraacetate)

### 14.3 The transport hazard class

8



### 14.4 Packing group

III

### Other relevant information about river transport

Corrosive for aluminium

### 14.5 Environmental hazards

no

### Sea transport (IMDG)

14.1 UN-number UN3267

### 14.2 UN proper shipping name

Corrosive Liquid, Basic, Organic, N.O.S. (Tetrasodium ethylenediaminetetraacetate)

### 14.3 The transport hazard class

8



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### 14.4 Packing group

III

#### Other relevant information about Sea transport

Corrosive for aluminium

### 14.5 Environmental hazards

no

#### Air transport (ICAO)

14.1 UN-number UN3267

#### 14.2 UN proper shipping name

Corrosive Liquid, Basic, Organic, N.O.S. (Tetrasodium ethylenediaminetetraacetate)

#### 14.3 The transport hazard class

8



### 14.4 Packing group

III

#### Other relevant information about Air transport

Corrosiv for aluminium

### 14.5 Environmental hazards

no

### 14.6 environmental hazards

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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### SECTION 15. Regulatory information

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

##### EG regulation (EG) Nr. 1907/2006 (REACH)

##### Annex XIV - substances in the Authorisation List

##### Annex XIV

None of the components are listed.

Particularly worrying substances

None of the components are listed.

Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles not applicable

##### Other EU regulations

European inventory: All components are listed or exempted.

##### **Seveso Directive**

This product is controlled under the Seveso Directive.

##### National regulations

MAL-Code: 00-3

MAL-based protection:

According to the regulations for work using coded products, the following provisions apply to the wearing of personal protective equipment:

**General:** Gloves must be worn in all work where soiling can occur. Apron / Overalls / Protective clothing must be worn if soiled so that normal workwear does not provide adequate protection against contact with the product. For spraying work, wear a face shield unless full face mask is required. In this case, it is not necessary to wear the otherwise recommended eye protection.

During spray work involving the risk of re-injection, the following must be worn: respiratory protection and arm protection / apron / overalls / protective clothing in accordance with the requirements or instructions.

MAL code: 00-3

**Application:** During downtime, cleaning and repair of enclosed equipment, spray booths or chambers if there is a risk of contact with wet paint or organic solvents. When using scrapers or knives, brushes, rollers, etc. for pre- and post-treatment in chambers or cabins of the existing \* plant type, when the worker is inside the spray zone.

- Overalls must be worn.

When spraying in existing spray booths \* when the operator is outside the spray zone.

- Arm protection and apron must be worn.

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For all spray work with atomization in chambers or spray booths where the worker is inside the spray zone and during spraying outside of a closed facility, chamber or cabin.

- Full face mask with breathing air supply, overalls and hood must be worn.

**Drying:** Articles to be dried or destined for drying ovens which are temporarily stored on equipment such as e.g. Carts to be set down must be provided with a mechanical exhaust system to prevent the escape of damp from damp objects into the workers' inhalation area.

**Polishing:** When sanding treated surfaces, a mask with dust filter must be worn. When machine sharpening, eye protection must be worn. Work gloves must always be worn.

### Danger

The regulations contain additional provisions in addition to those mentioned above.

\* See regulations.

Restrictions on use:

This product may not be used by professional users under the age of 18 years. See the Implementing Regulation on dangerous work by young people.

### 15.2 Chemical Safety Assessment

This product contains chemical substances for which a chemical safety report is not required, as this is below the maximum de minimis threshold under REACH.

## SECTION 16: Other information

### 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 Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

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### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye irritation.

### Further information

The above information describes exclusively the safety requirements of the product and is based on our present -day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.