

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## SANEX

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

#### 1.1. Product identifier

SANEX

UFI: X4QW-NHJ5-S2SK-PGC7

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

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

Company name: ARCORA International GmbH  
Street: Marsstraße 9  
Place: D-85609 Aschheim  
Telephone: +49 (0)89 / 14 33 29 3-0      Telefax: +49 (0)89 / 14 33 29 3-29  
e-mail: info@arcora.de

**1.4. Emergency telephone number:** Giftnotruf der Charité - Universitätsmedizin Berlin -24H- Tel.: 030 30686700

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

#### 2.2. Label elements

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

##### Hazard components for labelling

Phosphorsäure; ortho-Phosphorsäure 75 %

Isotridecanol, ethoxyliert (7-14 EO)

**Signal word:** Danger

**Pictograms:**



##### Hazard statements

H314 Causes severe skin burns and eye damage.

##### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash mit Wasser thoroughly after handling.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P363 Wash contaminated clothing before reuse.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P310 Immediately call a POISON CENTER/doctor.  
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.  
P405 Store locked up.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

| CAS No    | Chemical name   |          |                  | Quantity    |
|-----------|---|----------|------------------|-------------|
|           | EC No   | Index No | REACH No         |             |
|           | GHS Classification  |          |                  |             |
| 7664-38-2 | Phosphorsäure; ortho-Phosphorsäure 75 %                   |          |                  | 20 - < 25 % |
|           | 231-633-2   |          |                  |             |
|           | Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B; H290 H302 H314 |          |                  |             |
| 9043-30-5 | Isotridecanol, ethoxyliert (7-14 EO)                      |          |                  | 1 - < 5 %   |
|           |   |          |                  |             |
|           | Acute Tox. 4, Eye Dam. 1; H302 H318                       |          |                  |             |
| 5949-29-1 | Zitronensäure-Monohydrat monohydrat E330 I-Ware           |          |                  | 1 - < 5 %   |
|           | 201-069-1   |          | 01-2119457026-42 |             |
|           | Eye Irrit. 2; H319  |          |                  |             |

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

#### Specific Conc. Limits, M-factors and ATE

| CAS No    | EC No     | Chemical name  | Quantity    |
|-----------|-----------|--|-------------|
|           |           | Specific Conc. Limits, M-factors and ATE   |             |
| 7664-38-2 | 231-633-2 | Phosphorsäure; ortho-Phosphorsäure 75 %  | 20 - < 25 % |
|           |           | inhalation: Data lacking (gases); dermal: LD50 = 2740 mg/kg; oral: LD50 = >= 300 mg/kg Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25 |             |
| 9043-30-5 |           | Isotridecanol, ethoxyliert (7-14 EO)   | 1 - < 5 %   |
|           |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = 556 mg/kg   |             |
| 5949-29-1 | 201-069-1 | Zitronensäure-Monohydrat monohydrat E330 I-Ware  | 1 - < 5 %   |
|           |           | inhalation: Data lacking (gases); dermal: Data lacking; oral: Data lacking   |             |

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

#### After inhalation

Provide fresh air. Medical treatment necessary.

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### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

### After ingestion

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

### 5.2. Special hazards arising from the substance or mixture

Non-flammable.

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### 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

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### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

### Advice on protection against fire and explosion

No special fire protection measures are necessary.

### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

#### Hints on joint storage

No special measures are necessary.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

| CAS No    | Name of agent        | ppm | mg/m³ | fib/cm³ | Category      | Origin |
|-----------|----------------------|-----|-------|---------|---------------|--------|
| 7664-38-2 | Orthophosphoric acid | -   | 1     |         | TWA (8 h)     |        |
|           |                      | -   | 2     |         | STEL (15 min) |        |

#### DNEL/DMEL values

| CAS No                   | Name of agent                           | Exposure route | Effect | Value      |
|--------------------------|---|----------------|--------|------------|
| 7664-38-2                | Phosphorsäure; ortho-Phosphorsäure 75 % |                |        |            |
| Worker DNEL, long-term   |   | inhalation     | local  | 2,92 mg/m³ |
| Consumer DNEL, long-term |   | inhalation     | local  | 0,73 mg/m³ |

#### PNEC values

| CAS No   | Name of agent                                   | Value      |
|--|---|------------|
| 5949-29-1  | Zitronensäure-Monohydrat monohydrat E330 I-Ware |            |
| Freshwater                                       |   | 0,44 mg/l  |
| Marine water                                     |   | 0,044 mg/l |
| Freshwater sediment                              |   | 34,6 mg/kg |
| Marine sediment                                  |   | 3,46 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |   | 1.000 mg/l |
| Soil   |   | 33,1 mg/kg |

### 8.2. Exposure controls

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### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Suitable eye protection: goggles.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Use of protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                |
|-----------------|----------------|
| Physical state: | Liquid         |
| Colour:         | light red      |
| Odour:          | characteristic |

#### Test method

#### Changes in the physical state

|   |                |                    |
|---|----------------|--------------------|
| Melting point/freezing point:                             | not determined | ANSI/ASTM D3451-76 |
| Boiling point or initial boiling point and boiling range: | not determined |                    |
| Flash point:  | not determined |                    |

#### Flammability

|               |                |
|---------------|----------------|
| Solid/liquid: | not applicable |
| Gas:          | not applicable |

#### Explosive properties

The product is not: Explosive.

|                            |                |
|----------------------------|----------------|
| Lower explosion limits:    | not determined |
| Upper explosion limits:    | not determined |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | not determined |

#### Oxidizing properties

The product is not: oxidising.

|                      |    |
|----------------------|----|
| pH-Value (at 20 °C): | <1 |
|----------------------|----|

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Water solubility: easily soluble

### **Solubility in other solvents**

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

not determined

Density (at 20 °C):

1,16 g/cm<sup>3</sup>

Relative vapour density:

not determined

### **9.2. Other information**

#### **Other safety characteristics**

Solid content:

not determined

Evaporation rate:

not determined

#### **Further Information**

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Possibility of hazardous reactions.

### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

Exothermic reaction with: Base, Peroxides, Oxidizing agent.

### **10.4. Conditions to avoid**

none

### **10.5. Incompatible materials**

Keep away from: Base, Oxidizing agent, Peroxides.

### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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### Acute toxicity

| CAS No    | Chemical name                                   |                         |           |        |        |
|-----------|---|-------------------------|-----------|--------|--------|
|           | Exposure route                                  | Dose                    | Species   | Source | Method |
| 7664-38-2 | Phosphorsäure; ortho-Phosphorsäure 75 %         |                         |           |        |        |
|           | oral  | LD50<br>mg/kg    >= 300 | Ratte     |        |        |
|           | dermal  | LD50<br>mg/kg    2740   | Kaninchen |        |        |
|           | inhalation                                      | Data lacking            |           |        |        |
| 9043-30-5 | Isotridecanol, ethoxyliert (7-14 EO)            |                         |           |        |        |
|           | oral  | LD50<br>mg/kg    556    | Ratte     |        |        |
|           | dermal  | LD50<br>mg/kg    >2000  | Kaninchen |        |        |
| 5949-29-1 | Zitronensäure-Monohydrat monohydrat E330 I-Ware |                         |           |        |        |
|           | oral  | Data lacking            |           |        |        |
|           | dermal  | Data lacking            |           |        |        |
|           | inhalation                                      | Data lacking            |           |        |        |

### Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

The product is not: Ecotoxic.

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| CAS No    | Chemical name                                   |                  |           |                         |        |          |
|-----------|---|------------------|-----------|-------------------------|--------|----------|
|           | Aquatic toxicity                                | Dose             | [h]   [d] | Species                 | Source | Method   |
| 7664-38-2 | Phosphorsäure; ortho-Phosphorsäure 75 %         |                  |           |                         |        |          |
|           | Acute fish toxicity                             | LC50 138 mg/l    | 96 h      | Gambusia affinis        |        |          |
|           | Acute algae toxicity                            | ErC50 > 100 mg/l | 72 h      | Desmodesmus subspicatus |        |          |
|           | Acute crustacea toxicity                        | EC50 > 100 mg/l  | 48 h      | Daphnia magna           |        | OECD 202 |
|           | Algae toxicity                                  | NOEC 100 mg/l    | 3 d       | Desmodesmus subspicatus |        |          |
|           | Crustacea toxicity                              | NOEC 56 mg/l     | 2 d       | Daphnia magna           |        |          |
| 9043-30-5 | Isotridecanol, ethoxyliert (7-14 EO)            |                  |           |                         |        |          |
|           | Acute fish toxicity                             | LC50 >1-10 mg/l  | 96 h      | Cyprinus carpio         |        |          |
|           | Acute algae toxicity                            | ErC50 >1-10 mg/l | 72 h      | Desmodesmus subspicatus |        |          |
|           | Acute crustacea toxicity                        | EC50 >1-10 mg/l  | 48 h      | Daphnia magna           |        |          |
| 5949-29-1 | Zitronensäure-Monohydrat monohydrat E330 I-Ware |                  |           |                         |        |          |
|           | Acute algae toxicity                            | ErC50 1,535 mg/l |           | Daphnia magna)          |        |          |
|           | Acute crustacea toxicity                        | EC50 440 mg/l    | 48 h      | Leuciscus idus          |        |          |

### 12.2. Persistence and degradability

The product has not been tested.

| CAS No    | Chemical name                                   |       |    |        |
|-----------|---|-------|----|--------|
|           | Method  | Value | d  | Source |
|           | Evaluation                                      |       |    |        |
| 5949-29-1 | Zitronensäure-Monohydrat monohydrat E330 I-Ware |       |    |        |
|           | OECD 301 B                                      | 97%   | 28 |        |

### 12.3. Bioaccumulative potential

The product has not been tested.

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

### 12.7. Other adverse effects

No information available.

### Further information

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.



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### Contaminated packaging


Wash with plenty of water. Completely emptied packages can be recycled.

## SECTION 14: Transport information


### Land transport (ADR/RID)

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN 1805   |
| <b>14.2. UN proper shipping name:</b>    | PHOSPHORIC ACID, SOLUTION   |
| <b>14.3. Transport hazard class(es):</b> | 8   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 8   |
|  |  |
| Classification code:                     | C1  |
| Limited quantity:                        | 5 L   |
| Excepted quantity:                       | E1  |
| Transport category:                      | 3   |
| Hazard No:                               | 80  |
| Tunnel restriction code:                 | E   |

### Inland waterways transport (ADN)

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN 1805   |
| <b>14.2. UN proper shipping name:</b>    | PHOSPHORIC ACID, SOLUTION   |
| <b>14.3. Transport hazard class(es):</b> | 8   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 8   |
|  |  |
| Classification code:                     | C1  |
| Limited quantity:                        | 5 L   |
| Excepted quantity:                       | E1  |

### Marine transport (IMDG)

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN 1805   |
| <b>14.2. UN proper shipping name:</b>    | PHOSPHORSÄURE, LÖSUNG   |
| <b>14.3. Transport hazard class(es):</b> | 8   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 8   |
|  |  |
| Special Provisions:                      | 223   |
| Limited quantity:                        | 5 L   |
| Excepted quantity:                       | E1  |
| EmS:                                     | F-A, S-B  |

### Air transport (ICAO-TI/IATA-DGR)

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**14.1. UN number or ID number:** UN 1805  
**14.2. UN proper shipping name:** PHOSPHORSÄURE, LÖSUNG  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Special Provisions: A3 A803  
Limited quantity Passenger: 1 L  
Passenger LQ: Y841  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 852  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 856  
IATA-max. quantity - Cargo: 60 L

### **14.6. Special precautions for user**

Warning: strongly corrosive.

### **14.7. Maritime transport in bulk according to IMO instruments**

not applicable

## SECTION 15: Regulatory information

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

#### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### **Additional information**

Regulation (EC) No. 648/2004 (Detergents regulation).

#### **National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).  
Water hazard class (D): 1 - slightly hazardous to water

### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

#### **Changes**

This data sheet contains changes from the previous version in section(s): 1.

#### **Abbreviations and acronyms**

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations

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CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

### Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Skin Corr. 1; H314 | On basis of test data    |
| Eye Dam. 1; H318   | On basis of test data    |

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

|      |  |
|------|--|
| H290 | May be corrosive to metals.              |
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage.               |
| H319 | Causes serious eye irritation.           |

### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*