

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**schülke** 

## **perform® ID**      **No Change Service!**

Version  
04.01

Revision Date:  
07.02.2019

Date of last issue: 17.05.2017  
Date of first issue: 11.10.2007

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

### **1.1 Product identifier**

Trade name : perform® ID

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

Use of the Sub-  
stance/Mixture : Disinfectants

Recommended restrictions  
on use : Restricted to professional users.

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

Manufacturer/ Supplier : Schülke & Mayr GmbH  
Robert-Koch-Str. 2  
  
22851 Norderstedt  
Germany  
Telephone: +49 (0)40/ 52100-0  
Telefax: +49 (0)40/ 52100318  
mail@schuelke.com  
www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.  
Cygnet House  
1, Jenkin Road, Meadowhall  
  
Sheffield S9 1AT  
United Kingdom  
Telephone: +44 114 254 35 00  
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mail.uk@schulke.com

E-mail address of person  
responsible for the  
SDS/Contact person : Application Department  
+49 (0)40/ 521 00 8800  
ApplicationDepartment.SM@schuelke.com  
(Schülke & Mayr UK Ltd.: +44-1142543500)

### **1.4 Emergency telephone number**

Emergency telephone num-  
ber : UK Poisons Emergency number: 0870 600 6266

## **SECTION 2: Hazards identification**

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

#### **Classification (REGULATION (EC) No 1272/2008)**

Skin corrosion, Sub-category 1B H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1 H318: Causes serious eye damage.

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Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

## 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.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

:

P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

70693-62-8

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Special labelling of certain mixtures

:

Labelling according to Regulation (EC) No. 648/2004: (5 - 15 % anionic surfactants, < 5 % non-ionic surfactants, < 5% soap, < 5 % Phosphonates, perfumes)

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

The product itself does not burn, but it is oxidising.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature

:

Mixture with the following substances and non dangerous additives.

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### Components

| Chemical name                                              | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number              | Classification                                                                                                                                             | Concentration<br>(% w/w) |
|------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Pentapotassium<br>bis(peroxymonosulphate)<br>bis(sulphate) | 70693-62-8<br>274-778-7<br>- - -<br>01-2119485567-22-<br>XXXX      | Acute Tox. 4; H302<br>Skin Corr. 1B; H314<br>Aquatic Chronic 3;<br>H412                                                                                    | 45                       |
| Sodium dodecyl sulphate                                    | 151-21-3<br>205-788-1<br>- - -<br>01-2119489461-32-<br>XXXX        | Flam. Sol. 2; H228<br>Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>STOT SE 3; H335<br>Aquatic Chronic 3;<br>H412 | 5 - 15                   |
| Alcohols, C9-11-iso, C10-rich,<br>ethoxylated              | 78330-20-8<br>Polymer<br>- - -<br>- - -                            | Acute Tox. 4; H302<br>Eye Dam. 1; H318                                                                                                                     | < 5                      |
| Sodium carbonate                                           | 497-19-8<br>207-838-8<br>011-005-00-2<br>01-2119485498-19-<br>XXXX | Eye Irrit. 2; H319                                                                                                                                         | < 5                      |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with plenty of water.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : Obtain medical attention.

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

Symptoms : Treat symptomatically.

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

Treatment : For specialist advice physicians should contact the Poisons Information Service.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

|                                |                                                                              |
|--------------------------------|------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Dry powder<br>Foam<br>Water spray jet<br>Carbon dioxide (CO <sub>2</sub> ) |
| Unsuitable extinguishing media | : Do not use a solid water stream as it may scatter and spread fire.         |

**5.2 Special hazards arising from the substance or mixture**

|                                       |                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Specific hazards during fire-fighting | : The product itself does not burn, but it is oxidising.                                                                                  |
| Hazardous combustion products         | : Formation of oxygen and mildly acidic benzoic acid vapour.<br>Carbon monoxide<br>Carbon dioxide (CO <sub>2</sub> )<br>Sulphur compounds |

**5.3 Advice for firefighters**

|                                               |                                                                  |
|-----------------------------------------------|------------------------------------------------------------------|
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |
|-----------------------------------------------|------------------------------------------------------------------|

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

|                      |                         |
|----------------------|-------------------------|
| Personal precautions | : Avoid dust formation. |
|----------------------|-------------------------|

**6.2 Environmental precautions**

|                           |                                    |
|---------------------------|------------------------------------|
| Environmental precautions | : Do not flush into surface water. |
|---------------------------|------------------------------------|

**6.3 Methods and material for containment and cleaning up**

|                         |                                      |
|-------------------------|--------------------------------------|
| Methods for cleaning up | : Use mechanical handling equipment. |
|-------------------------|--------------------------------------|

**6.4 Reference to other sections**

see Section 8 + 13

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

|                                                 |                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on safe handling                         | : Avoid dust formation.                                                                                                                                                                                                      |
| Advice on protection against fire and explosion | : The product itself does not burn, but it is slightly oxidizing (active oxygen content ca. 2%). The product has been shown not to be oxidizing in a test following Directive 67/548/EEC (Method A17, Oxidizing properties). |

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Hygiene measures : Keep away from food and drink.

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

Requirements for storage areas and containers : Store at room temperature in the original container.

Further information on storage conditions : Keep container tightly closed. Store in a dry place. Do not store at temperatures above 30°C. Recommended storage temperature: 18 - 25°C

Advice on common storage : No materials to be especially mentioned.

### 7.3 Specific end use(s)

Specific use(s) : none

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

none

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name                                       | End Use | Exposure routes | Potential health effects   | Value        |
|------------------------------------------------------|---------|-----------------|----------------------------|--------------|
| Pentapotassium bis(peroxymonosulphate) bis(sulphate) | Workers | Inhalation      | Long-term systemic effects | 0.28 mg/m3   |
|                                                      | Workers | Inhalation      | Acute systemic effects     | 50 mg/m3     |
|                                                      | Workers | Inhalation      | Long-term local effects    | 0.28 mg/m3   |
|                                                      | Workers | Inhalation      | Acute local effects        | 50 mg/m3     |
|                                                      | Workers | Skin contact    | Long-term systemic effects | 20 mg/kg     |
|                                                      | Workers | Skin contact    | Acute systemic effects     | 80 mg/kg     |
|                                                      | Workers | Skin contact    | Acute local effects        | 0.449 mg/cm2 |
| Sodium dodecyl sulphate                              | Workers | Skin contact    | Long-term systemic effects | 4060 mg/kg   |
|                                                      | Workers | Inhalation      | Long-term systemic effects | 285 mg/m3    |
| Sodium carbonate                                     | Workers | Inhalation      | Long-term exposure         | 10 mg/m3     |

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                                       | Environmental Compartment | Value        |
|------------------------------------------------------|---------------------------|--------------|
| Pentapotassium bis(peroxymonosulphate) bis(sulphate) | Fresh water               | 0.022 mg/l   |
|                                                      | Marine water              | 0.00222 mg/l |

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|                         |                          |               |
|-------------------------|--------------------------|---------------|
|                         | Fresh water sediment     | 0.017 mg/kg   |
|                         | Marine sediment          | 0.00173 mg/kg |
|                         | Soil                     | 0.885 mg/kg   |
|                         | Sewage treatment plant   | 108 mg/l      |
|                         | Intermittent use/release | 0.0109 mg/l   |
|                         | Oral                     | 44.44 mg/kg   |
| Sodium dodecyl sulphate | Fresh water              | 0.137 mg/l    |
|                         | Marine water             | 0.0137 mg/l   |
|                         | Fresh water sediment     | 4.82 mg/kg    |
|                         | Marine sediment          | 0.482 mg/kg   |
|                         | Soil                     | 0.882 mg/kg   |
|                         | Intermittent use/release | 0.055 mg/l    |

## 8.2 Exposure controls

### Personal protective equipment

- Eye protection : Safety glasses with side-shields conforming to EN166
- Hand protection : Prolonged contact: Nitrile rubber gloves e.g. Camatril (>480 Min., layer thickness: 0,40 mm) or butyl rubber gloves e.g. Butoject (>480 Min., layer thickness: 0,70 mm) made by KCL or gloves from other manufacturers offering the same protection.
- Respiratory protection : Breathing apparatus only if aerosol or dust is formed.  
ABEK-filter
- Protective measures : Avoid contact with skin and eyes.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : granular
- Colour : white
- Odour : pleasant
- Odour Threshold : not determined
- pH : ca. 4 (20 °C)  
Concentration: 5 g/l  
in water
- Melting point/freezing point : No data available
- Decomposition temperature : No data available
- Boiling point/boiling range : Not applicable
- Flash point : Not applicable
- Evaporation rate : Not applicable

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|                                                  |                                                                                                                               |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Flammability (solid, gas)                        | : Not applicable                                                                                                              |
| Upper explosion limit / Upper flammability limit | : No data available                                                                                                           |
| Lower explosion limit / Lower flammability limit | : No data available                                                                                                           |
| Vapour pressure                                  | : No data available                                                                                                           |
| Vapour density                                   | : Not applicable                                                                                                              |
| Bulk density                                     | : ca. 775 kg/m <sup>3</sup>                                                                                                   |
| Solubility(ies)<br>Water solubility              | : ca. 200 g/l (20 °C)                                                                                                         |
| Partition coefficient: n-octanol/water           | : Not applicable                                                                                                              |
| Auto-ignition temperature                        | : No data available                                                                                                           |
| Viscosity<br>Viscosity, dynamic                  | : Not applicable                                                                                                              |
| Explosive properties                             | : No data available                                                                                                           |
| Oxidizing properties                             | : The product has been shown not to be oxidizing in a test following Directive 67/548/EEC (Method A17, Oxidizing properties). |

### **9.2 Other information**

No data available

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

### **10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

### **10.2 Chemical stability**

The product is chemically stable.

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

Hazardous reactions : Slightly exothermic autodecomposition (> 130°C) if strongly heated

### **10.4 Conditions to avoid**

Conditions to avoid : Protect from frost, heat and sunlight.

### **10.5 Incompatible materials**

Materials to avoid : Do not mix with other products.

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Oxygen

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product:**

Acute oral toxicity : LD50 (Rat): 2,430 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 16.1 mg/l

Acute dermal toxicity : Acute toxicity estimate: 19,413 mg/kg

**Components:****Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Acute oral toxicity : LD50 (Rat): 500 mg/kg  
Method: OECD Test Guideline 423

Acute inhalation toxicity : LC0 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD0 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**Sodium dodecyl sulphate:**

Acute oral toxicity : LD50 (Rat): > 500 - < 2,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Method: Expert judgement and weight of evidence determination.  
Remarks: Harmful by inhalation.

Acute dermal toxicity : LD50: > 2,000 mg/kg  
Method: Expert judgement and weight of evidence determination.

**Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Acute oral toxicity : LD50 (Rat): 500 - 2,000 mg/kg  
Method: Calculated value  
Remarks: Harmful if swallowed.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available



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### **Sodium carbonate:**

Acute oral toxicity : LD50 (Rat): 2,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2.3 mg/l  
Exposure time: 2 h  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Assessment : Causes severe skin burns and eye damage.  
Method : Calculation method

#### **Components:**

##### **Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Causes burns.  
Remarks : Extremely corrosive and destructive to tissue.

##### **Sodium dodecyl sulphate:**

Method : OECD Test Guideline 404  
Result : irritating

##### **Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Species : Rabbit  
Result : No skin irritation

##### **Sodium carbonate:**

Remarks : May cause skin irritation in susceptible persons.

### **Serious eye damage/eye irritation**

#### **Product:**

Assessment : Causes serious eye damage.  
Method : Calculation method

#### **Components:**

##### **Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Irreversible effects on the eye

##### **Sodium dodecyl sulphate:**

Method : OECD Test Guideline 405

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Result : Risk of serious damage to eyes.

### **Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : May cause irreversible eye damage.

### **Sodium carbonate:**

Assessment : Causes serious eye irritation.

### **Respiratory or skin sensitisation**

#### **Components:**

#### **Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Test Type : Maximisation Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Did not cause sensitisation on laboratory animals.  
Remarks : Based on available data, the classification criteria are not met.

#### **Sodium dodecyl sulphate:**

Remarks : Did not cause sensitisation on laboratory animals.

### **Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Remarks : No data available

### **Sodium carbonate:**

Remarks : No data available

### **Germ cell mutagenicity**

#### **Components:**

#### **Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: Not mutagenic in Ames Test

Genotoxicity in vivo : Species: Mouse  
Application Route: Ingestion  
Method: OECD Test Guideline 474  
Remarks: negative

Germ cell mutagenicity- Assessment : Not mutagenic in Ames Test

#### **Sodium dodecyl sulphate:**

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: Non mutagenic

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Germ cell mutagenicity- Assessment : Non mutagenic

**Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Germ cell mutagenicity- Assessment : No data available

**Sodium carbonate:**

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

**Carcinogenicity****Components:****Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

**Sodium dodecyl sulphate:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Carcinogenicity - Assessment : No data available

**Sodium carbonate:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

**Reproductive toxicity****Components:****Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
General Toxicity Maternal: NOAEL: 250 mg/kg body weight  
Teratogenicity: NOAEL: >= 750 mg/kg body weight  
Method: OECD Test Guideline 414

Test Type: Embryo-foetal development  
Species: Rat  
General Toxicity Maternal: LOAEL: 750 mg/kg body weight  
Teratogenicity: LOAEL: > 750 mg/kg body weight  
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.

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essment

### **Sodium dodecyl sulphate:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### **Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Reproductive toxicity - Assessment : No data available

### **Sodium carbonate:**

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

### **STOT - single exposure**

#### **Components:**

### **Sodium dodecyl sulphate:**

Assessment : May cause respiratory irritation.  
Remarks : Expert judgement and weight of evidence determination.

### **Alcohols, C9-11-iso, C10-rich, ethoxylated:**

||Remarks : No data available

### **Sodium carbonate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **STOT - repeated exposure**

#### **Components:**

### **Sodium dodecyl sulphate:**

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

### **Alcohols, C9-11-iso, C10-rich, ethoxylated:**

||Remarks : No data available

### **Sodium carbonate:**

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

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Species : Rat  
NOAEL : 200 mg/kg  
LOAEL : 600 mg/kg  
Application Route : Oral  
Exposure time : 90-day  
Method : OECD Test Guideline 408

Species : Rat  
LOAEL : 2.73 mg/kg  
Application Route : inhalation (dust/mist/fume)  
Exposure time : 14-days  
Method : OECD Test Guideline 412

**Aspiration toxicity**

No data available

**Further information****Components:****Sodium carbonate:**

Remarks : Dust contact with the eyes can lead to mechanical irritation.

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**SECTION 12: Ecological information****12.1 Toxicity****Product:****Ecotoxicology Assessment**

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

**Components:****Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 53 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 3.5 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (microalgae)): > 1  
mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

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Toxicity to fish (Chronic toxicity) : NOEC: 0.444 mg/l  
Exposure time: 37 d  
Species: Cyprinodon variegatus (sheepshead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.267 mg/l  
Exposure time: 24 h  
Species: Daphnia (water flea)

### **Sodium dodecyl sulphate:**

Toxicity to fish : LC50 : > 10 - < 100 mg/l  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 : > 1 - < 10 mg/l

Toxicity to algae : EC50 : > 100 mg/l

Toxicity to fish (Chronic toxicity) : NOEC: > 1 - < 10 mg/l

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: ≤ 1 mg/l  
Species: Ceriodaphnia dubia (water flea)

### **Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Toxicity to fish : LC50 (Leuciscus idus): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : > 100 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 : > 100 mg/l  
Exposure time: 72 h

### **Sodium carbonate:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 200 - 227 mg/l  
Exposure time: 48 h

Toxicity to algae : Remarks: No data available

## **12.2 Persistence and degradability**

### **Product:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD 301D / EEC 84/449 C6

Chemical Oxygen Demand (COD) : 7,100 mg/l  
Test substance: 1 % solution

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Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

**Sodium dodecyl sulphate:**

Biodegradability : Result: Readily biodegradable, according to appropriate OECD test.

**Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Biodegradability : Result: Readily biodegradable, according to appropriate OECD test.

**Sodium carbonate:**

Biodegradability : Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential****Components:****Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Bioaccumulation : Remarks: No data available

**Sodium dodecyl sulphate:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

**Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Bioaccumulation : Remarks: According to experience not expected

**Sodium carbonate:**

Bioaccumulation : Remarks: Does not bioaccumulate.

**12.4 Mobility in soil****Components:****Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Mobility : Remarks: No data available

**Sodium dodecyl sulphate:**

Mobility : Remarks: No data available

**Alcohols, C9-11-iso, C10-rich, ethoxylated:**

Mobility : Remarks: Adsorbs on soil.

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according to Regulation (EC) No. 1907/2006

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### **Sodium carbonate:**

Mobility : Remarks: No data available

## **12.5 Results of PBT and vPvB assessment**

### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

## **12.6 Other adverse effects**

### **Product:**

Additional ecological information : No data is available on the product itself.

### **Components:**

#### **Pentapotassium bis(peroxymonosulphate) bis(sulphate):**

Additional ecological information : No data available

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product(Group) : The waste producer itself must, in consultation with the appropriate authorities and a waste disposal company, obtain a waste code from the EWC (European Waste Catalogue)

## **SECTION 14: Transport information**

### **14.1 UN number**

ADR : UN 3260

IMDG : UN 3260

IATA : UN 3260

### **14.2 UN proper shipping name**

ADR : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.



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**IMDG** : (Pentapotassium bis(peroxymonosulphate) bis(sulphate))  
CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.  
(Pentapotassium bis(peroxymonosulphate) bis(sulphate))

**IATA** : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.  
(Pentapotassium bis(peroxymonosulphate) bis(sulphate))

### 14.3 Transport hazard class(es)

**ADR** : 8

**IMDG** : 8

**IATA** : 8

### 14.4 Packing group

**ADR**  
Packing group : III  
Classification Code : C2  
Hazard Identification Number : 80  
Labels : 8

**IMDG**  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 864  
Packing group : III  
Labels : Corrosive

**IATA (Passenger)**  
Packing group : III  
Labels : Corrosive

### 14.5 Environmental hazards

**ADR**  
Environmentally hazardous : no

**IMDG**  
Marine pollutant : no

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.  
For personal protection see section 8.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Volatile organic compounds : none, Directive 2010/75/EC on the limitation of emissions of volatile organic compounds

**Other regulations:**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

**15.2 Chemical safety assessment**

Exempt

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**SECTION 16: Other information****Full text of H-Statements**

H228 : Flammable solid.  
H302 : Harmful if swallowed.  
H314 : Causes severe skin burns and eye damage.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H412 : Harmful to aquatic life with long lasting effects.

**Full text of other abbreviations**

Acute Tox. : Acute toxicity  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Flam. Sol. : Flammable solids  
Skin Corr. : Skin corrosion  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008

|                         |                      |
|-------------------------|----------------------|
| Skin Corr. 1B, H314     | : Calculation method |
| Eye Dam. 1, H318        | : Calculation method |
| Aquatic Chronic 3, H412 | : Calculation method |

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.