

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

|                 |                                       |
|-----------------|---------------------------------------|
| Product form    | : Mixture                             |
| Product name    | : PP REVOLUTION 500 LAUNDRY DETERGENT |
| UFI             | : 4YQ8-40N4-800Q-C0S1                 |
| Product code    | : 08221                               |
| Type of product | : Detergent                           |

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

#### 1.2.1. Relevant identified uses

|                                  |                             |
|----------------------------------|-----------------------------|
| Main use category                | : Professional use          |
| Industrial/Professional use spec | : For professional use only |
| Use of the substance/mixture     | : Laundry                   |

#### 1.2.2. Uses advised against

No additional information available

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

**SELDEN RESEARCH LIMITED**  
STADEN LANE  
BUXTON  
DERBYSHIRE  
SK17 9RZ  
UNITED KINGDOM  
Tel: 01298 26226 Fax: 01298 26540  
Email: safety@selden.co.uk

**SELDEN EUROPE B.V.**  
WATERMOLEN 13  
6229 PM  
MAASTRICHT  
NEDERLAND  
Tel: 00 32 16 53 07 96  
Email: info@selden.eu

### 1.4. Emergency telephone number

Mon to Fri 8.30am to 5.00pm - 01298 26226

Tel: 00 32 16 53 07 96

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 1 H318

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

|                                |  |
|--------------------------------|--|
| Signal word (CLP)              | : Danger   |
| Contains                       | : Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts; C13-15 branched and linear alcohol ethoxylate   |
| Hazard statements (CLP)        | : H318 - Causes serious eye damage.  |
| Precautionary statements (CLP) | : P280 - Wear eye protection.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P315 - Get immediate medical advice/attention. |

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]          |
|---|---|--------|--|
| Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts | (CAS-No.) 68411-30-3<br>(EC-No.) 270-115-0<br>(REACH-no) 01-2119489428-22 | 5 – 10 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318     |
| C13-15 branched and linear alcohol ethoxylate             | (CAS-No.) 157627-86-6   | 1 – 5  | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : 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.  
First-aid measures after ingestion : Get immediate medical advice/attention.

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

Symptoms/effects after skin contact : Repeated or prolonged skin contact may cause irritation.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

### 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 : Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses. EN 166

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Not required for normal conditions of use

##### Hand protection:

In case of repeated or prolonged contact wear gloves. Chemical resistant gloves (according to European standard EN 374 or equivalent)

##### Other skin protection

##### Materials for protective clothing:

Not required for normal conditions of use

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Not required for normal conditions of use

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|  |                     |
|--|---------------------|
| Physical state                             | : Liquid            |
| Appearance                                 | : Mobile liquid.    |
| Colour                                     | : white.            |
| Odour                                      | : characteristic.   |
| Odour threshold                            | : No data available |
| pH   | : 10                |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point                              | : Not applicable    |
| Freezing point                             | : No data available |
| Boiling point                              | : ≥ 100 °C          |
| Flash point                                | : No data available |

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|   |                        |
|---|------------------------|
| Auto-ignition temperature                       | : No data available    |
| Decomposition temperature                       | : No data available    |
| Flammability (solid, gas)                       | : Not applicable       |
| Vapour pressure                                 | : No data available    |
| Relative vapour density at 20 °C                | : No data available    |
| Relative density                                | : 1.2                  |
| Solubility                                      | : Miscible with water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available    |
| Viscosity, kinematic                            | : No data available    |
| Viscosity, dynamic                              | : No data available    |
| Explosive properties                            | : No data available    |
| Oxidising properties                            | : No data available    |
| Explosive limits                                | : No data available    |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

None under normal use.

### 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 (oral)             | : Not classified                       |
| Acute toxicity (dermal)           | : Not classified                       |
| Acute toxicity (inhalation)       | : Not classified                       |
| Skin corrosion/irritation         | : Not classified<br>pH: 10             |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 10 |
| Respiratory or skin sensitisation | : Not classified                       |
| Germ cell mutagenicity            | : Not classified                       |
| Carcinogenicity                   | : Not classified                       |
| Reproductive toxicity             | : Not classified                       |
| STOT-single exposure              | : Not classified                       |
| STOT-repeated exposure            | : Not classified                       |

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Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |

### Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

|                                    |                    |
|------------------------------------|--------------------|
| LC50 - Fish [1]                    | 1.67 mg/l          |
| EC50 - Other aquatic organisms [1] | 2.9 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 127.9 mg/l         |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

### Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

|   |      |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 3.32 |
|---|------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1 UN number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

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Proper Shipping Name (IMDG) : Not applicable  
 Proper Shipping Name (IATA) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable  
 Packing group (IMDG) : Not applicable  
 Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No  
 Marine pollutant : No  
 Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Detergent Regulation (648/2004/EC): Labelling of contents:

| Component  | %     |
|--|-------|
| phosphates   | ≥30%  |
| anionic surfactants                                      | 5-15% |
| non-ionic surfactants                                    | <5%   |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one |       |

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### 15.1.2. National regulations

#### United Kingdom

British National Regulations

: Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

Detergent Regulation (648/2004/EC).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| H302                                | Harmful if swallowed.   |
| H315                                | Causes skin irritation.   |
| H318                                | Causes serious eye damage.  |
| H412                                | Harmful to aquatic life with long lasting effects.                |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|            |      |                    |
|------------|------|--------------------|
| Eye Dam. 1 | H318 | Calculation method |
|------------|------|--------------------|

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.