

# SAFETY DATA SHEET

## Delta K

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

#### 1.1. Product identifier

**Product name** Delta K  
**Product number** 7801/22314

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

**Identified uses** Detergent. Cleaning agent.

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

**Supplier** Solent Laundry Solutions Ltd  
 C2 Segensworth Business Centre  
 Segensworth Road  
 Fareham  
 Hampshire  
 PO15 5RQ  
 Tel: 08453883834

#### 1.4. Emergency telephone number

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Eye Dam. 1 - H318  
**Environmental hazards** Not Classified

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H318 Causes serious eye damage.

**Precautionary statements** P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 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.

**Contains** Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide, Alcohols, C13-15, branched and linear, ethoxylated

**Detergent labelling** 15 - < 30% phosphates, < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% optical brighteners, < 5% perfumes, < 5% soap, Contains 1,2-BENZOISOTHIAZOL-3(2H)-ONE

**Supplementary precautionary statements** P264 Wash ... thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P313 Get medical advice/ attention.  
 P337 If eye irritation persists:

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### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide</b>	<b>1-5%</b>
CAS number: —	EC number: 932-051-8
	REACH registration number: 01-2119565112-48-XXXX

##### Classification

Skin Irrit. 2 - H315  
 Eye Dam. 1 - H318  
 Aquatic Chronic 3 - H412

<b>Alcohols, C13-15, branched and linear, ethoxylated</b>	<b>1-5%</b>
CAS number: 157627-86-6	

##### Classification

Acute Tox. 4 - H302  
 Eye Dam. 1 - H318  
 Aquatic Chronic 3 - H412

<b>ETHANEDIOL</b>	<b>&lt;1%</b>
CAS number: 107-21-1	EC number: 203-473-3

##### Classification

Acute Tox. 4 - H302

<b>POTASSIUM HYDROXIDE</b>	<b>&lt;1%</b>
CAS number: 1310-58-3	EC number: 215-181-3
	REACH registration number: 01-2119487136-33-XXXX

##### Classification

Met. Corr. 1 - H290  
 Acute Tox. 4 - H302  
 Skin Corr. 1A - H314  
 Eye Dam. 1 - H318

The full text for all hazard statements is displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Inhalation</b>	Non-volatile liquid product.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.

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**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

**Inhalation** This is unlikely to occur but symptoms similar to those of ingestion may develop.

**Ingestion** May cause stomach pain or vomiting.

**Skin contact** Skin irritation.

**Eye contact** May cause severe eye irritation.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** None known.

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

**Specific hazards** None known.

**Hazardous combustion products** Does not decompose when used and stored as recommended.

### 5.3. Advice for firefighters

**Protective actions during firefighting** If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**For non-emergency personnel** Prevent further leakage or spillage if safe to do so. Keep away from incompatible products.

**For emergency responders** Avoid discharge into drains or watercourses or onto the ground.

### 6.2. Environmental precautions

**Environmental precautions** Collect and dispose of spillage as indicated in Section 13.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Inform authorities if large amounts are involved.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13. See Section 11 for additional information on health hazards.

## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

**Usage precautions**                      Avoid spilling. Avoid contact with skin and eyes.

**Advice on general occupational hygiene**                      When using do not eat, drink or smoke.

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

**Storage precautions**                      Keep above the chemical's freezing point to avoid rupturing the container. Keep container tightly closed.

**Storage class**                              Unspecified storage.

### 7.3. Specific end use(s)

**Specific end use(s)**                      The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **ETHANEDIOL**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 104 mg/m<sup>3</sup>(Sk)

#### **POTASSIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### **PENTASODIUM TRIPHOSPHATE (CAS: 7758-29-4)**

<b>DNEL</b>	<p>Workers - Dermal; Short term systemic effects: 0.375 mg/kg bw/day</p> <p>Workers - Inhalation; Short term systemic effects: 0.661 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 0.375 mg/kg bw/day</p> <p>Workers - Inhalation; Long term systemic effects: 0.661 mg/l</p> <p>General population - Dermal; Short term systemic effects: 0.375 mg/kg</p> <p>General population - Inhalation; Short term systemic effects: 0.66 mg/kg bw/day</p> <p>General population - Oral; Short term systemic effects: 0.75 mg/kg</p> <p>General population - Oral; Long term systemic effects: 0.75 mg/kg bw/day</p> <p>General population - Inhalation; Long term systemic effects: 0.661 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 0.375 mg/kg bw/day</p>
<b>PNEC</b>	<p>- Fresh water; 0.005 mg/l</p> <p>- Marine water; 0.005 mg/l</p> <p>- Intermittent release, Fresh water; 0.05 mg/l</p> <p>- Sediment (Freshwater); 0.19 mg/kg dw</p> <p>- Soil; 0.14 mg/kg dw</p>

#### **Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide**

<b>DNEL</b>	<p>Workers - Dermal; Long term systemic effects: 170 mg/kg bw/day</p> <p>Workers - Inhalation; Long term systemic effects: 12 mg/m<sup>3</sup></p> <p>Consumer - Dermal; Long term systemic effects: 85 mg/kg bw/day</p> <p>Consumer - Inhalation; Long term systemic effects: 3 mg/m<sup>3</sup></p> <p>Consumer - Oral; Long term systemic effects: 0.85 mg/kg bw/day</p>
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### PNEC

- Fresh water; 0.268 mg/l
- Marine water; 0.0268 mg/l
- Intermittent release; 0.055 mg/l
- STP; 5.6 mg/l
- Sediment (Freshwater); 8.1 mg/kg dw
- Sediment (Marinewater); 8.1 mg/kg dw
- Soil; 35 mg/kg dw

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

No specific ventilation requirements.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent skin contact.

#### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Opaque liquid. Liquid.
Colour	White.
Odour	Perfume.
pH	pH (diluted solution): ~ 7 @ 1 %
Melting point	> 10°C
Initial boiling point and range	> 100°C @ 760 mm Hg
Relative density	~ 1.16 @ @ 20°C
Solubility(ies)	Miscible with water.
Viscosity	1000-1500 cP @ 20°C

### 9.2. Other information

Other information Not available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stability No particular stability concerns.

### 10.3. Possibility of hazardous reactions

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**Possibility of hazardous reactions** Not known.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid contact with the following materials: Oxidising agents. Reducing agents.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Sulphur.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 21,459.23

**Inhalation** This is unlikely to occur but symptoms similar to those of ingestion may develop.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** Risk of serious damage to eyes.

**Acute and chronic health hazards** Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

#### Toxicological information on ingredients.

#### PENTASODIUM TRIPHOSPHATE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rat

**ATE oral (mg/kg)** 2,001.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 4,641.0

**Species** Rabbit

**ATE dermal (mg/kg)** 4,641.0

#### Alcohols, C13-15, branched and linear, ethoxylated

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 500.0

**Species** Rat

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### SECTION 12: Ecological Information

**Ecotoxicity** Environmental information currently available for the ingredients of this preparation indicates that it does not contain any ingredients currently classified as Dangerous for the Environment.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### Ecological information on ingredients.

##### PENTASODIUM TRIPHOSPHATE

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , : >1850 mg/l,
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >100 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	ErC50, : 160 mg/l, Desmodemus subspicatus

##### Chronic aquatic toxicity

<b>Chronic toxicity - fish early life stage</b>	LOEC, 96 hours: 5 mg/l, Fish
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##### Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 1-10 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 1-10 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 10-100 mg/l, Algae

##### Alcohols, C13-15, branched and linear, ethoxylated

##### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 1-10 mg/l, Brachydanio rerio (Zebra Fish)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 1-10 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 1-10 mg/l, Scenedesmus subspicatus
<b>Acute toxicity - microorganisms</b>	EC10, : >1000 mg/l, Activated sludge

##### Chronic aquatic toxicity

<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, : >0.1-<1 mg/l,
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#### 12.2. Persistence and degradability

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**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is non-volatile.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**EURAL Code**

## SECTION 14: Transport information

**General** Not regulated.

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

#### **Transport labels**

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

#### **Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78 and the IBC Code**

## SECTION 15: Regulatory information

## Delta K

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

<b>National regulations</b>	Health and Safety at Work etc. Act 1974 (as amended). CHIP The Control of Substances Hazardous to Health Regulations
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

<b>Revision comments</b>	Revision is in accordance with Commission Regulation (EC) No 1272/2008
<b>Revision date</b>	10/02/2015
<b>Revision</b>	2
<b>SDS number</b>	7801/22314
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.