

# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

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

#### 1.1 Product identifier

Trade name: LAUNDRY 777

Article number: 93060001

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

##### Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC35 Washing and cleaning products (including solvent based products)

Process category PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

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

##### Manufacturer/Supplier:

ZEP UK Ltd  
Tanhouse Lane  
Widnes Cheshire, WA8 0RR  
United Kingdom  
Tel: +44 (0)151 422 1000  
Fax: +44 (0)151 422 1011  
@: info@zep.co.uk  
web: www.zep.co.uk

ZEP Industries BV  
Vierlinghweg 30  
4612 PN Bergen op Zoom  
The Netherlands  
Tel: (NL) + 31 164 250 100 (B) + 32 2 347 0117  
Fax: (NL) + 31 164 266 710 (B) + 32 2 347 1395  
@: sales@zepbenelux.com

ZEP ITALIA SRL  
Via Netunese Km. 25.000  
04011 Aprilia (LT) - Italy  
Tel: +39.06.926691  
Fax: +39.06.92747061  
@: tecnico@zepeurope.com  
Sito: www.zep.it

#### Further information obtainable from:

##### Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710  
B: Tel: +32 2 347 0117 Fax: +32 2 347 1395  
IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61  
UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

#### 1.4 Emergency telephone number:

##### Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710  
B: Tel: +32 2 347 0117 Fax: +32 2 347 1395  
IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61  
UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

(Contd. on page 2)

GB

# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

Trade name: LAUNDRY 777

(Contd. of page 1)

### Hazard pictograms



GHS05

### Signal word Danger

#### Hazard-determining components of labelling:

Alcohols, C9-11-ISO, C10-rich, ethoxylated (&gt;2.5 moles EO)

LAURETH-4

Alcohols, C10-12, ethoxylated propoxylated

#### Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

#### Precautionary statements

P264 Wash thoroughly after handling.

P280 Wear protective gloves / 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.

P321 Specific treatment (see on this label).

P362 Take off contaminated clothing.

#### Additional information:

Contains A mixture of tetrasodium-phosphonoethane-1,2-dicarboxylate and hexasodium-phosphonobutane-1,2,3,4-tetracarboxylate, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

#### 2.3 Other hazards The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

|   |   |        |
|---|---|--------|
| CAS: 61789-30-8<br>EINECS: 206-376-4                                  | Fettsauren, Kokos-, Kaliumsalze<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319  | 10-25% |
| CAS: 78330-20-8<br>Reg.nr.: absent, polymer                           | Alcohols, C9-11-ISO, C10-rich, ethoxylated (>2.5 moles EO)<br>⚠ Eye Dam. 1, H318<br>⚠ Acute Tox. 4, H302  | 5-10%  |
| CAS: 5274-68-0<br>EINECS: 226-097-1                                   | LAURETH-4<br>⚠ Eye Dam. 1, H318<br>⚠ Aquatic Acute 1, H400  | 5-10%  |
| CAS: 7320-34-5<br>EINECS: 230-785-7<br>Reg.nr.: 01-2119489369-18-XXXX | tetrapotassium pyrophosphate<br>⚠ Eye Irrit. 2, H319  | 1-2.5% |
| CAS: 68154-97-2   | Alcohols, C10-12, ethoxylated propoxylated<br>⚠ Eye Dam. 1, H318<br>⚠ Acute Tox. 4, H302  | 1-2.5% |
| CAS: 143239-08-1<br>ELINCS: 410-800-5                                 | A mixture of tetrasodium-phosphonoethane-1,2-dicarboxylate and hexasodium-phosphonobutane-1,2,3,4-tetracarboxylate<br>⚠ Aquatic Chronic 2, H411<br>⚠ Skin Sens. 1, H317 | 0.1-1% |
| CAS: 2634-33-5<br>EINECS: 220-120-9                                   | 1,2-benzisothiazol-3(2H)-one<br>⚠ Eye Dam. 1, H318<br>⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411<br>⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 | <-0.1% |

#### Ingredients according to Detergents Regulation 648/2004/EC

For the wording of the listed hazard phrases refer to section 16.

Anionic surfactants, Nonionic surfactants

≥5 - &lt;15%

(Contd. on page 3)

# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

**Trade name: LAUNDRY 777**

(Contd. of page 2)

Phosphates, EDTA and salts thereof

&lt;5%

 Perfumes (HYDROXYCITRONELLAL, ALPHA-ISOMETHYL IONONE, GERANIOL), Preservation agents  
 (BENZISOTHIAZOLINONE, methylchloroisothiazolinone, methylisothiazolinone)

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
If skin irritation continues, consult a doctor.  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, universal binders).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**  
Requirements to be met by storerooms and receptacles: No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 4)

GB

# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

Trade name: LAUNDRY 777

(Contd. of page 3)

### · 8.1 Control parameters

#### · **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

#### · **Personal protective equipment:**

#### · **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

#### · **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Not suitable are gloves made of the following materials:** Strong material gloves

· **Eye protection:**



Tightly sealed goggles

## SECTION 9: Physical and chemical properties

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

#### · **General Information**

#### · **Appearance:**

Form: Fluid

Colour: Whitish

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value at 20°C:** 10

#### · **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 100°C

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

#### · **Ignition temperature:**

Decomposition temperature: Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

#### · **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapour pressure at 20°C:** 23 hPa

· **Density at 20°C:** 1.032 g/cm<sup>3</sup>

(Contd. on page 5)

GB

# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

Trade name: LAUNDRY 777

(Contd. of page 4)

|  |  |
|--|--|
| · <b>Relative density</b>                        | Not determined.                            |
| · <b>Vapour density</b>                          | Not determined.                            |
| · <b>Evaporation rate</b>                        | Not determined.                            |
| · <b>Solubility in / Miscibility with water:</b> | Insoluble.                                 |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                            |
| · <b>Viscosity:</b>                              |  |
| <b>Dynamic:</b>                                  | Not determined.                            |
| <b>Kinematic:</b>                                | Not determined.                            |
| · <b>Solvent content:</b>                        |  |
| <b>Organic solvents:</b>                         | 0.0 %                                      |
| <b>Swiss VOC:</b>                                | 0.00 %                                     |
| · <b>Solids content:</b>                         | 3.3 %                                      |
| · <b>9.2 Other information</b>                   | No further relevant information available. |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

#### 78330-20-8 Alcohols, C9-11-ISO, C10-rich, ethoxylated (>2.5 moles EO)

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | >350 mg/kg (Mouse)    |
| Dermal | LD50 | >2,000 mg/kg (Rabbit) |
|        | LC50 | >1 mg/l (fish)        |

#### 5274-68-0 LAURETH-4

|      |      |                    |
|------|------|--------------------|
| Oral | LD50 | >2,000 mg/kg (Rat) |
|------|------|--------------------|

#### 7320-34-5 tetrapotassium pyrophosphate

|      |             |   |
|------|-------------|---|
| Oral | LD50        | >2,000 mg/kg (Mouse)                              |
|      |             | >2,000 mg/kg (Rat)                                |
|      |             | >7,940 mg/kg (Rabbit)                             |
|      | LC50 / 48 h | >100 mg/ltr (Daphnia magna (water flea))          |
|      | LC50 / 96 h | >100 mg/ltr (Oncorhynchus mykiss (Rainbow trout)) |

#### 68154-97-2 Alcohols, C10-12, ethoxylated propoxylated

|      |             |  |
|------|-------------|--|
| Oral | LD50        | 940 mg/kg (Rat)                        |
|      | EC50 / 24 h | 12 mg/ltr (Daphnia magna (water flea)) |

#### 143239-08-1 A mixture of tetrasodium-phosphonoethane-1,2-dicarboxylate and hexasodium-phosphonobutane-1,2,3,4-tetracarboxylate

|        |                       |   |
|--------|-----------------------|---|
| Oral   | LD50                  | >5,000 mg/kg (Rat)                                |
| Dermal | LD50                  | >2,000 mg/kg (Rat)                                |
|        | LC50 / 96 h (static)  | >100 mg/ltr (Oncorhynchus mykiss (Rainbow trout)) |
|        | EC 50 / 48 h (static) | >1,000 mg/ltr (Daphnia magna (water flea))        |

#### 2634-33-5 1,2-benzisothiazol-3(2H)-one

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | 1,150 mg/kg (Rat)  |
| Dermal | LD50 | >2,000 mg/kg (Rat) |

(Contd. on page 6)

# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

Trade name: LAUNDRY 777

(Contd. of page 5)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

**78330-20-8 Alcohols, C9-11-ISO, C10-rich, ethoxykated (>2.5 moles EO)**

COD 2,348 (-) (DIN 68409 H41)

BOD 1,467 (-)

**5274-68-0 LAURETH-4**

COD 2,348 (mg O<sub>2</sub> / g product)

BOD 1,467 (mg O<sub>2</sub> / g product)

**68154-97-2 Alcohols, C10-12, ethoxylated propoxylated**

OECD test 302 B 93 (biodegradation in % after 28 days)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void

(Contd. on page 7)

GB



# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

Trade name: LAUNDRY 777

(Contd. of page 6)

|  |                 |
|--|-----------------|
| · <b>14.3 Transport hazard class(es)</b>   |                 |
| · <b>ADR, ADN, IMDG, IATA</b>  |                 |
| · <b>Class</b>   | Void            |
| · <b>14.4 Packing group</b>  |                 |
| · <b>ADR, IMDG, IATA</b>   | Void            |
| · <b>14.5 Environmental hazards:</b>   |                 |
| · <b>Marine pollutant:</b>   | No              |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | Void            |

### SECTION 15: Regulatory information

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

Reg. (EC) n. 1272/2008 - CLP;  
 Reg. (EC) n. 1907/2006 - Reach;  
 Reg. (EC) n. 2015/830 annex II of REACH;  
 Reg. (EC) n. 648/04 (Detergents);  
 Reg. (EC) n. 528/12 (Biocides BPR);  
 Reg. (EC) n. 1223/2009 (Cosmetics);  
 Dir. 06/08 ADR - RID - IMDG - IATA;  
 Dir. 47/08 (Aerosols); Dir. 12/18 (Seveso III);  
 Dir. 2008/98/CE and Reg. (EC) n. 1357/2014 (Waste management)

#### · Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

#### · National regulations:

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

#### · Department issuing SDS:

Customer Service  
 NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710  
 B: Tel: +32 2 347 0117 Fax: +32 2 347 1395  
 IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61  
 UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

#### · Contact:

Customer Service  
 NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710  
 B: Tel: +32 2 347 0117 Fax: +32 2 347 1395  
 IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61  
 UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

#### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

(Contd. on page 8)

# Safety data sheet

## According to 1907/2006/EC, Article 31 REACH

Printing date 20.11.2017

Version: 3

Revision: 20.11.2017

**Trade name: LAUNDRY 777**

(Contd. of page 7)

*ICAO: International Civil Aviation Organisation**ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)**ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Acute Tox. 4: Acute toxicity – Category 4**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2***\* Data compared to the previous version altered.**

GB