

# L02 Laundry Eco Wash

# Enzymatic liquid detergent for all textiles

Electrolux Professional Ecolabel range contains efficient and environmentally friendly ingredients. Meeting the requirements of EU Ecolabel involves complying with extremely strict specifications, rigorous performance criteria, ultimate aerobic and anaerobic biodegradability and 100% recyclable packaging. This product is part of a multicomponent system

#### Use:

LO2 Laundry Eco Wash liquid detergent, with its high concentration, it can wash every types of laundry, even in low temperatures (30°C). It respects textile fibres and colors while giving back its original aspect Leaves a pleasant and fresh odor.

Contains Enzymes and perfume.

### Instructions for washing:

- Wash at the minimal recommended temperature.
- Every time and for every kind of laundry, wash with the maximum weight possible.
- Follow the dosage instructions according to the water hardness and to the soiling levels.
- By using this product bearing the European Ecolabel in accordance with dosing recommendations, you help reduce water pollution and energy consumption.
- This product is included in a multi-components system

### Recommended dosage for 1kg of laundry

To wash as efficiently as possible and avoid waste, we advise you to get information about water hardness level in your area and to follow the instructions below:



### Physical-chemical properties

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pH-value (100 %)	8.5
Density (20 °C)	1.054 g/ml

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

Packaging 20 L canister
Code 0W7RBC (PNC 432731140)

### Warnings:

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- the product is for professional use only; do not use in domestic appliances.
- ▶ transport and storage must be done only in the original package, upright position.
- ▶ do not expose to sunlight and freezing temperatures.
- ▶ do not transfer in other bottles.
- ▶ do not mix with other products.
- ▶ to be used within 36 months after the production date.
- ▶ the package and containers are totally recyclable.
- ▶ please handle the emptied material according to the local recycling regulation.







Patch test performed by a certified lab with diluted product as well as using cotton fabric washed with LO2, LO3, LO4 and LO5

Product formulated to minimize the risk of sensitization



Scan the QR code to view the safety data

### Safety and Transport



GHS05

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Review date: 11/6/2019 Supersedes: 8/30/2016 Edition: 7.00

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

1.1. Product identifier

Product form : Mixture

Product name : L02 - LAUNDRY ECO WASH

Product code : 1129

Type of product : Detergent

Product group : Mixture

#### 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
Description/Application : Laundry detergent

1.2.2. Uses advised against

No additional information available

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

Electrolux Laundry Systems Sweden AB

Ringvägen 14

34180 Ljungby - SUEDE

T +46 372 66100 - F +46 372 80861 epr.chemicals@electroluxprofessional.com

#### 1.4. Emergency telephone number

Emergency numbers: +44 1235 239670

+353 (01) 6147000 (NPIC Toll free) +353 1890 289 389 (NPIC)

#### **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 H318

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Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

CLP Signal word : Danger

Hazardous ingredients : Isotridecanol, ethoxylated

Hazard statements (CLP) : H318 - Causes serious eye damage.

Precautionary statements (CLP) : P280 - Wear eye protection, face protection.

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 or doctor.

### 2.3. Other hazards

No additional information available

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### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### **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]
Isotridecanol, ethoxylated	(CAS-no) 69011-36-5 (REACH-no) polymer	5 - 15	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Alcohols, ethoxylated, sulfates, sodium salts	(CAS-no) 68891-38-3 (REACH-no) 01-2119488639-16	< 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Ethanol	(CAS-no) 64-17-5 (Einecs nr) 200-578-6 (EG annex nr) 603-002-00-5 (REACH-no) 01-2119457610-43	< 4	Flam. Liq. 2, H225 Eye Irrit. 2, H319
D-Glucopyranose, oligomeric, decyl octyl glycosides	(CAS-no) 68515-73-1 (EG annex nr) 500-220-1 (REACH-no) 01-2119488530-36	< 3	Eye Dam. 1, H318
Subtilisin substance with national workplace exposure limit(s) (GB, IE)	(CAS-no) 9014-01-1 (Einecs nr) 232-752-2 (REACH-no) 01-2119480434-38	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Alcohols, ethoxylated, sulfates, sodium salts	(CAS-no) 68891-38-3 (REACH-no) 01-2119488639-16	(5 = <c 10)="" 2,="" <="" eye="" h319<br="" irrit.="">(10 =<c 1,="" 100)="" <="" dam.="" eye="" h318<="" td=""></c></c>
D-Glucopyranose, oligomeric, decyl octyl glycosides	(CAS-no) 68515-73-1 (EG annex nr) 500-220-1 (REACH-no) 01-2119488530-36	( 10 = <c 1,="" <="100)" dam.="" eye="" h318<="" td=""></c>

Full text of H-statements: see section 16

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

General advice : In case of doubt or persistent symptoms, consult always a physician. For symptom description,

see item 11.

Inhalation : In case of malaise, seek medical advice.

Skin contact : Take off contaminated clothes. Wash off with plenty of water.

Eye contact : Rinse immediately and plentifully with water and take medical advice.

Ingestion : If swallowed, seek medical advice immediately and show this container or label.

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

Acute effects inhalation : Not classified.

Acute effects skin : Not classified.

Acute effects eyes : Causes serious eye damage.

Acute effects oral route : No data available. Not classified.

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

No additional information available

#### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : The product itself does not burn. Foam, powder, carbon dioxide (CO2), water spray.

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

No additional information available

### 5.3. Advice for firefighters

Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

### **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

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Protective equipment : Concerning personal protective equipment to use, see section 8.

#### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Rinse with water.

#### 6.4. Reference to other sections

No additional information available

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with the skin and the eyes. Shower, eyes shower and water point in proximity.

Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke in areas where

product is used.

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

Storage conditions : Store in original container.

Storage temperature : 5 - 40 °C

Material(s) to avoid : Not determined.

### 7.3. Specific end use(s)

No additional information available

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Subtilisin (9014-01-1)		
Ireland	Local name	Subtilisins (proteolytic enzymes as 100% pure cystalline enzyme)
Ireland	OEL (8 hours ref) (mg/m³)	0.00006 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	0.00006 mg/m³
Ireland	Notes (IE)	Sens.
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Subtilisins (Bacillus subtilis Carlsberg)
United Kingdom	WEL TWA (mg/m³)	0.00004 mg/m³
United Kingdom	Remark (WEL)	Sen (Capable of causing occupational asthma. See paragraphs 53–56)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE
Ethanol (64-17-5)		
EU	IOELV TWA (mg/m³)	1900 mg/m³
EU	IOELV TWA (ppm)	1000 ppm
EU	IOELV STEL (mg/m³)	9500 mg/m³
EU	IOELV STEL (ppm)	5000 ppm
France	VME (mg/m³)	1900 mg/m³
France	VME (ppm)	1000 ppm
France	VLE (mg/m³)	9500 mg/m³
France	VLE (ppm)	5000 ppm
Ireland	Local name	Ethanol
Ireland	OEL (15 min ref) (ppm)	1000 ppm
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m³)	1920 mg/m³
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

Alcohols,	ethoxylated,	sulfates, sodium	salts (68891-38-3)

DNEL/DMEL (Workers)

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Acochois, ethoxystacid, sulfates, socium salfs (68891-38-3)   Long-term - systemic effects, demail   75 mg/m²	Alachala athawilated sulfates andium calta (COOM 30.3)		
Long-term - systemic effects, inhalation   175 mg/m²			
DNELLDMEL (General population)   15 mg/kg bodyweight/day   15 mg/kg	3 3		
Long-term - systemic effects, inhalation   52 mg/kg bodyweight/day		175 mg/m³	
Long-term - systemic effects, inhalation   52 mg/m²	` ' ' '	15 n 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Long-term - systemic effects, dermal			
PNEC (Water)		<u> </u>	
PNEC aqua (marine water)		1650 mg/kg bodyweight/day	
PNEC (sediment)			
PNEC (Sediment)		, , , , , , , , , , , , , , , , , , ,	
PNEC sediment (francine water)		0.024 mg/l	
PNEC sediment (marine water)			
PNEC   Soil	,		
D-Glucopyranose, oligomeric, decyl octyl glycosides (68815-73-1)   DNEL/DMEL (Workers)     Long-term - systemic effects, inhalation   420 mg/m²     DNEL/DMEL (General population)     Long-term - systemic effects, inhalation   124 mg/m²     Long-term - systemic effects, inhalation   124 mg/m²     Long-term - systemic effects, dernal   387 mg/kg bodyweight/day     Long-term - systemic effects, dernal   387 mg/kg bodyweight/day     Long-term - systemic effects, dernal   387000 mg/kg bodyweight/day     Long-term - systemic effects, dernal   387000 mg/kg bodyweight/day     PNEC (Water)     PNEC (Water)     PNEC aqua (freshwater)   0.176 mg/l     PNEC aqua (marine water)   0.0176 mg/l     PNEC aqua (marine water)   0.1516 mg/kg dwt     PNEC sediment (freshwater)   1516 mg/kg dwt     PNEC sediment (marine water)   0.152 mg/kg dwt     PNEC sediment (marine water)   0.152 mg/kg dwt     PNEC sediment (marine water)   0.654 mg/kg dwt     PNEC sediment (preshwater)   160 mg/l     PNEC sewage treatment plant   560 mg/l     Ethanol (64-17-5)     DNEL/DMEL (Workers)     Acute - local effects, inhalation   1900 mg/m²     Long-term - systemic effects, dernal   343 mg/kg bodyweight/day     Long-term - systemic effects, inhalation   950 mg/m²     DNEL/DMEL (General population)     Acute - local effects, inhalation   950 mg/m³     DNEL/DMEL (General population)     Acute - local effects, inhalation   114 mg/m³     PNEC (Water)     PNEC (Water)   0.96 mg/l     PNEC (Water)   0.96 mg/l     PNEC (Water)   0.96 mg/l     PNEC (Sediment)   PNEC aqua (marine water)   0.79 mg/l     PNEC (Sediment)     PNEC (Sediment)   0.96 mg/l     PNEC (Sediment)   0.96 mg/l	PNEC sediment (marine water)	0.09168 mg/kg dwt	
D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)  DNEL/DMEL (Workers)  Long-term - systemic effects, dermal  Long-term - systemic effects, inhalation  DNEL/DMEL (General population)  Long-term - systemic effects, oral  Long-term - systemic effects, oral  Long-term - systemic effects, oral  35.7 mg/kg bodyweight/day  Long-term - systemic effects, inhalation  124 mg/m²  Long-term - systemic effects, dermal  PNEC (salue (freshwater)  PNEC aqua (freshwater)  PNEC aqua (freshwater)  PNEC aqua (freshwater)  PNEC sediment (freshwater)  PNEC sediment (freshwater)  PNEC sediment (freshwater)  PNEC sediment (marine water)  PNEC soil  PNEC soil  PNEC soil  PNEC soil  DNEL/DMEL (Workers)  Acute - local effects, inhalation  Long-term - systemic effects, dermal  343 mg/kg bodyweight/day  Long-term - systemic effects, dermal  144 mg/m²  Long-term - systemic effects, inhalation  NEL/DMEL (General population)  Acute - local effects, inhalation  NEL/DMEL (General population)  A			
DNEL/DMEL (Workers)	PNEC soil	0.946 mg/kg dwt	
Long-term - systemic effects, dermal	D-Glucopyranose, oligomeric, decyl octyl gly	rcosides (68515-73-1)	
Long-term - systemic effects, inhalation   A20 mg/m³	DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation   A20 mg/m³	Long-term - systemic effects, dermal	595000 mg/kg bodyweight/day	
DNEL/DMEL (General population)   35.7 mg/kg bodyweight/day   124 mg/m³   124			
Long-term - systemic effects, inhalation   124 mg/m²   125 mg/m²   125 mg/m²   125 mg/m²   125 mg/m²   126 mg/m²			
Long-term - systemic effects, inhalation   124 mg/m³   357000 mg/kg bodyweight/day   PNEC (Water)		35.7 mg/kg bodyweight/day	
Long-term - systemic effects, dermal   357000 mg/kg bodyweight/day			
PNEC (Water)         0.176 mg/l           PNEC aqua (freshwater)         0.0176 mg/l           PNEC qaua (marine water)         0.0176 mg/l           PNEC sediment (freshwater)         1516 mg/kg dwt           PNEC sediment (marine water)         0.152 mg/kg dwt           PNEC (Soil)         0.654 mg/kg dwt           PNEC (Soil)         0.654 mg/kg dwt           PNEC (STP)         PNEC sewage treatment plant         560 mg/l           Ethanol (64-17-5)         Ethanol (64-17-5)           DNEL/DMEL (Workers)         343 mg/kg bodyweight/day           Acute - local effects, inhalation         1900 mg/m³           Long-term - systemic effects, dermal         343 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         950 mg/m³           DNEL/DMEL (General population)         950 mg/m³           Acute - local effects, inhalation         950 mg/m³           Long-term - systemic effects, oral         87 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         950 mg/m³           PNEC (General population)         87 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         114 mg/m³           PNEC (Water)         90 mg/m³           PNEC (Water)         0.96 mg/l           PNEC (Soil)         <		·	
PNEC aqua (freshwater)			
PNEC aqua (marine water)         0.0176 mg/l           PNEC (Sediment)         1516 mg/kg dwt           PNEC sediment (freshwater)         0.152 mg/kg dwt           PNEC (Soil)         0.654 mg/kg dwt           PNEC soil         0.654 mg/kg dwt           PNEC (STP)         PNEC (STP)           PNEC Sewage treatment plant         560 mg/l           Ethanol (64-17-5)           DNEL/DMEL (Workers)         Acute - local effects, inhalation           Acute - local effects, inhalation         1900 mg/m³           Long-term - systemic effects, demal         343 mg/kg bodyweight/day           DNEL/DMEL (General population)         950 mg/m³           Acute - local effects, inhalation         950 mg/m³           Long-term - systemic effects, oral         87 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         950 mg/m³           PNEC (Water)         87 mg/kg bodyweight/day           PNEC aqua (freshwater)         0.96 mg/l           PNEC aqua (freshwater)         0.79 mg/l           PNEC sediment)         0.79 mg/l           PNEC sediment (freshwater)         3.6 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC sewage treatment plant         <		0.176 mg/l	
PNEC (Sediment)         1516 mg/kg dwt           PNEC sediment (freshwater)         0.152 mg/kg dwt           PNEC (Soil)         0.654 mg/kg dwt           PNEC (STP)         0.654 mg/kg dwt           PNEC sewage treatment plant         560 mg/l           Ethanol (64-17-5)           DNEL/DMEL (Workers)           Acute - local effects, inhalation         1900 mg/m³           Long-term - systemic effects, dermal         343 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         950 mg/m³           DNEL/DMEL (General population)         Acute - local effects, inhalation           Acute - local effects, inhalation         950 mg/m³           Long-term - systemic effects, oral         87 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         114 mg/m³           PNEC (Water)         0.96 mg/l           PNEC aqua (freshwater)         0.96 mg/l           PNEC aqua (freshwater)         0.79 mg/l           PNEC sediment (freshwater)         3.6 mg/kg dwt           PNEC soil         0.63 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC Sewage treatment plant         580 mg/l	. , , , ,		
PNEC sediment (fireshwater)         1516 mg/kg dwt           PNEC sediment (marine water)         0.152 mg/kg dwt           PNEC (Soil)         0.654 mg/kg dwt           PNEC soil         0.654 mg/kg dwt           PNEC sewage treatment plant         560 mg/l           Ethanol (64-17-5)           DNEL/DMEL (Workers)         343 mg/kg bodyweight/day           Acute - local effects, inhalation         1900 mg/m³           Long-term - systemic effects, dermal         343 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         950 mg/m³           DNEL/DMEL (General population)         4.00 mg/m³           Acute - local effects, inhalation         950 mg/m³           Long-term - systemic effects, oral         87 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         114 mg/m³           PNEC (Water)         9.96 mg/l           PNEC aqua (freshwater)         0.96 mg/l           PNEC aqua (marine water)         0.79 mg/l           PNEC sediment (freshwater)         3.6 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC (STP)         9NEC sewage treatment plant         580 mg/l			
PNEC sediment (marine water)		1516 ma/ka dwt	
PNEC (soil)         0.654 mg/kg dwt           PNEC (STP)         0.654 mg/kg dwt           PNEC sewage treatment plant         560 mg/l           Ethanol (64-17-5)           DNEL/DMEL (Workers)           Acute - local effects, inhalation         1900 mg/m³           Long-term - systemic effects, dermal         343 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         950 mg/m³           DNEL/DMEL (General population)         87 mg/kg bodyweight/day           Acute - local effects, inhalation         950 mg/m³           Long-term - systemic effects, oral         87 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         114 mg/m³           PNEC (Water)         0.96 mg/l           PNEC aqua (freshwater)         0.96 mg/l           PNEC aqua (marine water)         0.79 mg/l           PNEC (Sediment)         PNEC (Sediment) (freshwater)         3.6 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC (STP)         PNEC sewage treatment plant         580 mg/l	` '		
PNEC soil         0.654 mg/kg dwt           PNEC (STP)         560 mg/l           Ethanol (64-17-5)           DNEL/DMEL (Workers)           Acute - local effects, inhalation         1900 mg/m³           Long-term - systemic effects, dermal         343 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         950 mg/m³           DNEL/DMEL (General population)         950 mg/m³           Acute - local effects, inhalation         950 mg/m³           Long-term - systemic effects, oral         87 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         114 mg/m³           PNEC (Water)         9PNEC aqua (freshwater)         0.96 mg/l           PNEC aqua (freshwater)         0.79 mg/l           PNEC (Sediment)         9.6 mg/kg dwt           PNEC (Soil)         9NEC (Soil)           PNEC (Soil)         0.63 mg/kg dwt           PNEC (STP)         PNEC sewage treatment plant         580 mg/l	` '		
PNEC (STP) PNEC sewage treatment plant 560 mg/l  Ethanol (64-17-5)  DNEL/DMEL (Workers)  Acute - local effects, inhalation 1900 mg/m³  Long-term - systemic effects, inhalation 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC (Sediment (freshwater) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l		0.654 mg/kg dwt	
PNEC sewage treatment plant 560 mg/l  Ethanol (64-17-5)  DNEL/DMEL (Workers)  Acute - local effects, inhalation 1900 mg/m³  Long-term - systemic effects, dermal 343 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC (Sediment (freshwater) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l			
Ethanol (64-17-5)  DNEL/DMEL (Workers)  Acute - local effects, inhalation 1900 mg/m³  Long-term - systemic effects, dermal 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, inhalation 950 mg/m³  Long-term - systemic effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC (Sediment) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l	` '	560 mg/l	
DNEL/DMEL (Workers)  Acute - local effects, inhalation 1900 mg/m³  Long-term - systemic effects, dermal 343 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC (Sediment (freshwater) 3.6 mg/kg dwt  PNEC (Soil)  PNEC swage treatment plant 580 mg/l			
Acute - local effects, inhalation 1900 mg/m³  Long-term - systemic effects, dermal 343 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC (Sediment) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l			
Long-term - systemic effects, dermal 343 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC (Sediment) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l	,	1900 mg/m³	
Long-term - systemic effects, inhalation 950 mg/m³  DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC (Sediment) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l	·	•	
DNEL/DMEL (General population)  Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC sediment (freshwater) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l			
Acute - local effects, inhalation 950 mg/m³  Long-term - systemic effects, oral 87 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 114 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 0.96 mg/l  PNEC aqua (marine water) 0.79 mg/l  PNEC (Sediment)  PNEC sediment (freshwater) 3.6 mg/kg dwt  PNEC (Soil)  PNEC soil 0.63 mg/kg dwt  PNEC (STP)  PNEC sewage treatment plant 580 mg/l			
Long-term - systemic effects, oral  Long-term - systemic effects, inhalation  PNEC (Water)  PNEC aqua (freshwater)  PNEC aqua (marine water)  PNEC (Sediment)  PNEC sediment (freshwater)  3.6 mg/kg dwt  PNEC (Soil)  PNEC soil  PNEC soil  PNEC (STP)  PNEC sewage treatment plant  87 mg/kg bodyweight/day  114 mg/m³  10.96 mg/l  10.96 mg/l  10.97 mg/l  10.98 mg/kg dwt  10.99 mg/l  10.99 mg/l  10.99 mg/l  10.99 mg/l	, , ,	950 mg/m³	
Long-term - systemic effects, inhalation  PNEC (Water)  PNEC aqua (freshwater)  PNEC aqua (marine water)  PNEC (Sediment)  PNEC sediment (freshwater)  PNEC (Soil)  PNEC soil  PNEC soil  PNEC (STP)  PNEC sewage treatment plant  114 mg/m³  10.98 mg/l  0.96 mg/l  0.79 mg/l  0.79 mg/l  0.79 mg/l  0.79 mg/l  0.63 mg/kg dwt  0.63 mg/kg dwt  PNEC (STP)		· ·	
PNEC (Water)         0.96 mg/l           PNEC aqua (freshwater)         0.79 mg/l           PNEC aqua (marine water)         0.79 mg/l           PNEC (Sediment)         3.6 mg/kg dwt           PNEC sediment (freshwater)         3.6 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC (STP)         PNEC sewage treatment plant         580 mg/l	3 7		
PNEC aqua (freshwater)         0.96 mg/l           PNEC aqua (marine water)         0.79 mg/l           PNEC (Sediment)		117 mg/m	
PNEC aqua (marine water)         0.79 mg/l           PNEC (Sediment)         3.6 mg/kg dwt           PNEC sediment (freshwater)         3.6 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC soil         0.63 mg/kg dwt           PNEC (STP)         PNEC sewage treatment plant         580 mg/l		0.96 mg/l	
PNEC (Sediment) PNEC sediment (freshwater)  PNEC (Soil) PNEC soil  PNEC (STP) PNEC sewage treatment plant  580 mg/l	, ,	· ·	
PNEC sediment (freshwater)         3.6 mg/kg dwt           PNEC (Soil)         0.63 mg/kg dwt           PNEC soil         0.63 mg/kg dwt           PNEC (STP)         PNEC sewage treatment plant         580 mg/l	, , ,		
PNEC (Soil)           PNEC soil         0.63 mg/kg dwt           PNEC (STP)           PNEC sewage treatment plant         580 mg/l		3.6 mg/kg dwt	
PNEC soil         0.63 mg/kg dwt           PNEC (STP)         PNEC sewage treatment plant         580 mg/l		o.o mg/ng dwc	
PNEC (STP) PNEC sewage treatment plant 580 mg/l		0.63 mg/kg dwt	
PNEC sewage treatment plant 580 mg/l		o.oo mgng um	
		580 mg/l	
		ood mg/i	

### 8.2. Exposure controls

### Hand protection:

not required

### Eye protection:

safety goggles (EN 166)

### Protective equipment:

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No special required clothing

#### Respiratory protection:

Not required

### **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid
Physical state/form : Liquid.
Colour : Blue.
Odour : perfumed.
Odour threshold : No data available
pH : 8.5 - 10 (100%)

Relative evaporation rate (butylacetate=1) : No data available
Melting point/range : No data available
Freezing point : No data available
Boiling point/Boiling range : No data available

Flash point : 61.5 °C

: No data available Autoignition temperature : No data available Decomposition temperature Flammability (solid, gas) : No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : ≈ 1.054 (1 - 1.08) : Water: 100% (20°C) Solubility 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

No additional information available

### 10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

#### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Temperatures below 0°C.

#### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. nitrogen oxides (NOx).

#### **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

Alcohols, ethoxylated, sulfates, sodium salts (68891-38-3)	
LD50 oral rat	> 4100 mg/kg OCDE 401

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5 5 ( ) 1111( 17)	
Alcohols, ethoxylated, sulfates, sodium salts (68891-38-3)	
LD50 dermal rat	> 2000 mg/kg OCDE 402
D-Glucopyranose, oligomeric, decyl octyl gl	ycosides (68515-73-1)
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Ethanol (64-17-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	> 20 mg/l/4h
Skin corrosion/irritation	: Not classified
	pH: 8.5 - 10 (100%)
Serious eye damage/irritation	: Causes serious eye damage.
	pH: 8.5 - 10 (100%)
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
Aspiration hazard	: Not classified

### **SECTION 12: Ecological information**

### 12.1. Toxicity

Hazardous to the aquatic environment, short-

term (acute)

Hazardous to the aquatic environment, long-

term (chronic)

: Not classified

: Not classified

Alcohols, ethoxylated, sulfates, sodium salts (68891-38-3)		
LC50 fish 1	7.1 mg/l OCDE 203	
EC50 Daphnia 1	7.2 mg/l	
EC50 72h algae (1)	27.7 mg/l	
D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)		
LC50 fish 1	> 100 mg/l	
EC50 Daphnia 1	> 10 mg/l	
ErC50 (other aquatic plants)	10 - 100 mg/l	
NOEC chronic fish	> 1 mg/l 1-10	
Ethanol (64-17-5)		
LC50 fish 1	> 11200 mg/l	
LC50 other aquatic organisms 1	> 10000 mg/l	
EC50 Daphnia 1	7.6 g/l	
ErC50 (algae)	275 mg/l	

### 12.2. Persistence and degradability

L02 - LAUNDRY ECO WASH			
Persistence and degradability	The surfactant(s) contained in this preparation 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.		
Alcohols, ethoxylated, sulfates, sodium salts	Alcohols, ethoxylated, sulfates, sodium salts (68891-38-3)		
Persistence and degradability	Readily biodegradable.		
D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)			
Biodegradation > 70 %			
Ethanol (64-17-5)			
Biochemical oxygen demand (BOD)	0.1 g O₂/g substance		

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Ethanol (64-17-5)	
Chemical oxygen demand (COD)	1.9 g O₂/g substance

#### 12.3. Bioaccumulative potential

Ethanol (64-17-5)	
Log Kow -0.3	
Bioaccumulative potential	not bioaccumulative.

#### 12.4. Mobility in soil

No additional information available

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

Component	
Alcohols, ethoxylated, sulfates, sodium salts (68891-38-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Isotridecanol, ethoxylated (69011-36-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.

Waste / unused products : Avoid undiluted product to come into sewer or superficial water.

### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not applicable

14.2. UN proper shipping name

Proper shipping name : Not applicable

14.3. Transport hazard class(es)

ADR

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

14.4. Packing group

Packing group (ADR) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

### 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

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**CESIO** recommendations

: The surfactant(s) contained in this preparation 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.

Other information, restriction and prohibition regulations

: Not affected by the conditions of restriction \_ ANNEXE XVII.

Detergent Regulation : Labelling of contents:

Component	%	
Non-ionic surfactants	5-15%	
anionic surfactants, Polycarboxylates, Phosphonates <5%		
Enzymes		
Optical brighteners		
BENZISOTHIAZOLINONE		
perfumes		

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

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

Indication of changes:

Section	Changed item	Change	Comments
2		Modified	
3.2		Modified	
4.2		Modified	
8.1		Modified	
9.1		Modified	
11		Modified	
12.		Modified	
15.1		Modified	
16		Modified	

Other information

: It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Such information is actually to be best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other product(s). EC Regulation 1272/2008 and its amendments.

#### Full text of H- and EUH-statements:

I ull text of 11- and Lot 1-states	nens.		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 2	Flammable liquids, Category 2		
Resp. Sens. 1	Respiratory sensitisation, Category 1		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation		
H225	Highly flammable liquid and vapour.		
H302	Harmful if swallowed.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.		
H335	May cause respiratory irritation.		
H400	Very toxic to aquatic life.		
H411	Toxic to aquatic life with long lasting effects.		
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]:

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Eye Dam. 1	H318	Calculation method

It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product

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