

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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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) Eye Irrit. 2, H319 (10 =<C < 100) Eye Dam. 1, H318
D-Glucopyranose, oligomeric, decyl octyl glycosides	(CAS-no) 68515-73-1 (EG annex nr) 500-220-1 (REACH-no) 01-2119488530-36	(10 =<C <= 100) Eye Dam. 1, H318

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 crystalline enzyme)
Ireland	OEL (8 hours ref) (mg/m ³)	0.00006 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	0.00006 mg/m ³
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/m ³)	0.00004 mg/m ³
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/m ³)	1900 mg/m ³
EU	IOELV TWA (ppm)	1000 ppm
EU	IOELV STEL (mg/m ³)	9500 mg/m ³
EU	IOELV STEL (ppm)	5000 ppm
France	VME (mg/m ³)	1900 mg/m ³
France	VME (ppm)	1000 ppm
France	VLE (mg/m ³)	9500 mg/m ³
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/m ³)	1920 mg/m ³
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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Alcohols, ethoxylated, sulfates, sodium salts (68891-38-3)	
Long-term - systemic effects, dermal	2750 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	175 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	15 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	52 mg/m ³
Long-term - systemic effects, dermal	1650 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.24 mg/l
PNEC aqua (marine water)	0.024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.9168 mg/kg dwt
PNEC sediment (marine water)	0.09168 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.946 mg/kg dwt
D-Glucopyranose, oligomeric, decyl octyl glycosides (68515-73-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	595000 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	420 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	35.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	124 mg/m ³
Long-term - systemic effects, dermal	357000 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.176 mg/l
PNEC aqua (marine water)	0.0176 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1516 mg/kg dwt
PNEC sediment (marine water)	0.152 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.654 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	560 mg/l
Ethanol (64-17-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1900 mg/m ³
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m ³
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m ³
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

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
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 1.054 (1 - 1.08)
Solubility	: Water: 100% (20°C)
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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Alcohols, ethoxylated, sulfates, sodium salts (68891-38-3)	
LD50 dermal rat	> 2000 mg/kg OCDE 402
D-Glucoopyranose, oligomeric, decyl octyl glycosides (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)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: 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-Glucoopyranose, 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

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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 (68891-38-3)	
Persistence and degradability	Readily biodegradable.
D-Glucoopyranose, oligomeric, decyl octyl glycosides (68515-73-1)	
Biodegradation	> 70 %
Ethanol (64-17-5)	
Biochemical oxygen demand (BOD)	0.1 g O ₂ /g substance

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Ethanol (64-17-5)	
Chemical oxygen demand (COD)	1.9 g O ₂ /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:

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
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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