



## SAFETY DATA SHEET

### Espro Purple Beerline Cleaner

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

##### 1.1. Product identifier

<b>Product name</b>	Espro Purple Beerline Cleaner
<b>Product number</b>	800-232-0019
<b>Internal identification</b>	ES90507-5L
<b>Container size</b>	5 litres
<b>UFI</b>	YA1Q-U150-GR0M-HQFS

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

<b>Identified uses</b>	Cleaning agent.
<b>Uses advised against</b>	Use only for intended applications.

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

<b>Supplier</b>	Eurosafe Limited 8a Hauley Road, Dartmouth, TQ6 9AA +44 (0)1803834266 sales@eurosafe.ltd.uk
<b>Contact person</b>	For content of safety data sheet: sales@eurosafe.ltd.uk

##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	+44 (0)1803834266 (Eurosafe)
<b>National emergency telephone number</b>	UK: In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 Ireland: National Poisons Information Centre Beaumont Hospital Tel: 01 809 2166 (8:00 a.m. to 10.00 p.m. 7 days a week) Tel: 01 809 2566 (health care professionals)

#### SECTION 2: Hazards identification

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

###### Classification (SI 2019 No. 720)

<b>Physical hazards</b>	Met. Corr. 1 - H290
<b>Health hazards</b>	Skin Corr. 1B - H314 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Aquatic Chronic 2 - H411

##### 2.2. Label elements

## Espro Purple Beerline Cleaner

### Hazard pictograms



### Signal word

Danger

### Hazard statements

H290 May be corrosive to metals.  
 H314 Causes severe skin burns and eye damage.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 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.  
 P405 Store locked up.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Supplemental label information

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

### Contains

POTASSIUM HYDROXIDE, SODIUM HYPOCHLORITE

### Detergent labelling

< 5% chlorine-based bleaching agents, < 5% phosphates

### Supplementary precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.  
 P234 Keep only in original packaging.  
 P260 Do not breathe vapour/ spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P363 Wash contaminated clothing before reuse.  
 P390 Absorb spillage to prevent material damage.  
 P391 Collect spillage.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>POTASSIUM HYDROXIDE</b>	<b>1-5%</b>
CAS number: 1310-58-3	EC number: 215-181-3
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	

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<b>SODIUM HYPOCHLORITE</b>	<b>1-5%</b>
CAS number: 7681-52-9	EC number: 231-668-3
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b> Ox. Liq. 2 - H272 Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
<b>TETRAPOTASSIUM PYROPHOSPHATE</b>	<b>1-5%</b>
CAS number: 7320-34-5	EC number: 230-785-7
<b>Classification</b> Eye Irrit. 2 - H319	
<b>POTASSIUM PERMANGANATE</b>	<b>&lt;1%</b>
CAS number: 7722-64-7	EC number: 231-760-3
M factor (Acute) = 10	M factor (Chronic) = 10
<b>Classification</b> Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Skin Corr. 1C - H314 Eye Dam. 1 - H318 Repr. 2 - H361d Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> O;R8 Xn;R22 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention immediately. Provide eyewash station and safety shower.
<b>Inhalation</b>	Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately. For breathing difficulties, oxygen may be necessary.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Chemical burns must be treated by a physician. Get medical attention immediately.
<b>Inhalation</b>	Severe irritation of nose and throat. May cause an asthma-like shortness of breath.
<b>Ingestion</b>	This product is corrosive. Small amounts may cause serious damage. May cause chemical burns in mouth, oesophagus and stomach.
<b>Skin contact</b>	May cause serious chemical burns to the skin.
<b>Eye contact</b>	This product is corrosive. A single exposure may cause the following adverse effects: Severe irritation, burning, tearing and blurred vision. Prolonged contact causes serious eye and tissue damage. Corneal damage.

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

<b>Notes for the doctor</b>	Treat symptomatically. Remove contaminated clothing immediately and wash skin with soap and water.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Avoid contact with the following materials: Aluminium. Zinc. Avoid contact with water. May generate heat.
<b>Hazardous combustion products</b>	Fire creates: Chlorine. Hydrogen chloride (HCl). Oxides of the following substances: Carbon. Potassium. Manganese.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid or minimise the creation of any environmental contamination. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Do not touch or walk into spilled material. Stop leak if safe to do so. Small Spillages: Flush away spillage with plenty of water. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely.
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### 6.4. Reference to other sections

## Espro Purple Beerline Cleaner

**Reference to other sections** For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 1 for emergency contact information.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with skin and eyes. Avoid spilling. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid the formation of mists. Provide adequate ventilation. Do not mix with other chemicals or detergents.

**Advice on general occupational hygiene** Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Eye wash facilities and emergency shower must be available when handling this product. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse.

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

**Storage precautions** Store in tightly-closed, original container in a well-ventilated place. Store away from the following materials: Acids. Oxidising materials.

**Storage class** Corrosive 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

##### POTASSIUM HYDROXIDE

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

##### SODIUM HYPOCHLORITE

Short-term exposure limit (15-minute): WEL 0.5 ppm 1.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

##### POTASSIUM HYDROXIDE (CAS: 1310-58-3)

**DNEL** Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

##### SODIUM HYPOCHLORITE (CAS: 7681-52-9)

**DNEL** Industry - Inhalation; Long term local effects: 1.55 mg/m<sup>3</sup>  
Industry - Inhalation; Long term systemic effects: 1.55 mg/m<sup>3</sup>  
Industry - Inhalation; Short term local effects: 3.1 mg/m<sup>3</sup>  
Industry - Inhalation; Short term systemic effects: 3.1 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term local effects: 1.55 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 1.55 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term local effects: 3.1 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term systemic effects: 3.1 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 0.26 mg/kg/day

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<b>PNEC</b>	- Fresh water; 0.00021 mg/l - marine water; 0.000042 mg/l - Intermittent release; 0.00026 mg/l - STP; 4.69 mg/l - ;
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### TETRAPOTASSIUM PYROPHOSPHATE (CAS: 7320-34-5)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 44.08 mg/m <sup>3</sup> General population - Inhalation; Long term systemic effects: 10.87 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 0.05 mg/l - marine water; 0.005 mg/l - Intermittent release; 0.5 mg/l - STP; 50 mg/l

### POTASSIUM PERMANGANATE (CAS: 7722-64-7)

<b>DNEL</b>	Industry - Inhalation; Long term systemic effects: 0.218 mg/m <sup>3</sup> Consumer - Inhalation; Long term systemic effects: 0.0389 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 0.01111 mg/kg/day
<b>PNEC</b>	- STP; 1.64 mg/l - Fresh water; 0.00006 mg/l - Water; 0.0006 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

### Personal protection

This is not a Risk/COSHH assessment. Information contained in this document should be used to conduct a risk assessment.  
Information given in this document relates to the neat product as supplied. In use solutions are likely to have extreme pH values, thus use of gloves and eye protection is recommended where the assessment indicates a risk of exposure.

### Eye/face protection

During the manufacture and filling of this product eye protection is recommended refer to EN166. In normal use, eye protection should be used if there is risk of eye contact (for examples splashing, dripping or leaking pumps/hoses).

### Hand protection

Wear protective gloves. Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). A break through time of >60 minutes is suggested. Gloves should be inspected regularly for damage.

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

Provide eyewash station and safety shower. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

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<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Particulate filter, type P2. Particulate filters should comply with European Standard EN143.
<b>Environmental exposure controls</b>	Avoid releasing into the environment. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Purple.
<b>Odour</b>	Faintly of chlorine.
<b>Odour threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): 13.5 TYPICALLY
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	1.080 TYPICALLY @ @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	There are no chemical groups present in the product that are associated with explosive properties.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	There are no chemical groups present in the product that are associated with oxidising properties.
<b>Comments</b>	Information given is applicable to the product as supplied.

#### 9.2. Other information

<b>Other information</b>	Not relevant.
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## Espro Purple Beerline Cleaner

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Reactions with the following materials may generate heat: Water. Strong acids. In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Avoid contact with the following materials: Aluminium. Zinc. Tin.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react violently with the product: Chlorohydrocarbons. Acids. Reactions with the following materials may generate heat: Water.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

**Materials to avoid** Acids. Ammonia. Chlorinated hydrocarbons. Aluminium. Tin. Zinc.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Hydrogen. Contact with acids liberates toxic gas. Chlorine.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

**Other health effects** There is no evidence that the product can cause cancer.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Estimated value. Calculated from ingredient data.

**ATE oral (mg/kg)** 10,046.76

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Causes severe burns. Calculation method.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Corrosivity to eyes is assumed.

#### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising. Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Does not contain any substances known to be mutagenic.

#### Carcinogenicity

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**Carcinogenicity** Does not contain any substances known to be carcinogenic.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### **General information**

Corrosive to skin and eyes.

### **Inhalation**

Spray/mists may cause respiratory tract irritation. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

### **Ingestion**

May cause burns in mucous membranes, throat, oesophagus and stomach.

### **Skin contact**

May cause serious chemical burns to the skin. Repeated exposure may cause skin dryness or cracking.

### **Eye contact**

Causes burns. A single exposure may cause the following adverse effects: Corneal damage. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

### **11.2 Information on other hazards**

**11.2.1. Endocrine disrupting properties** This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

### **11.2.2 Other information**

### Toxicological information on ingredients.

#### POTASSIUM HYDROXIDE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 333.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** Harmful if swallowed. REACH dossier information.

**ATE oral (mg/kg)** 333.0

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No information available.

##### Skin corrosion/irritation

**Skin corrosion/irritation** Causes severe burns. REACH dossier information.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Corrosive Causes serious eye damage. REACH dossier information.

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### Respiratory sensitisation

**Respiratory sensitisation** No specific test data are available.

### Skin sensitisation

**Skin sensitisation** Not sensitising. REACH dossier information.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Negative. This substance has no evidence of mutagenic properties.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

## SODIUM HYPOCHLORITE

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 8,910.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** REACH dossier information.

**ATE oral (mg/kg)** 8,910.0

### Acute toxicity - dermal

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

**Species** Rabbit

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

### Skin corrosion/irritation

**Animal data** Corrosive to skin. REACH dossier information. Dose: LD50 = 20g/kg bw, 2 days, Rabbit

### Serious eye damage/irritation

**Serious eye damage/irritation** Corrosivity to eyes is assumed.

### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising.

### Skin sensitisation

**Skin sensitisation** Not sensitising.

### Germ cell mutagenicity

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<b>Genotoxicity - in vivo</b>	REACH dossier information. Negative.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	REACH dossier information. No evidence of reproductive toxicity in animal studies.

### SECTION 12: Ecological information

**Ecotoxicity** There are no data on the ecotoxicity of this product.

#### 12.1. Toxicity

**Toxicity** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

#### Acute aquatic toxicity

**Acute toxicity - aquatic plants** May cause long lasting harmful effects to aquatic life.

**Acute toxicity - terrestrial** Can cause damage to vegetation.

#### Ecological information on ingredients.

#### POTASSIUM HYDROXIDE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 80 mg/l, Fish  
NOEC, 96 hours: 56 mg/l,  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** , : ,

#### SODIUM HYPOCHLORITE

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.01 < L(E)C<sub>50</sub> ≤ 0.1

**M factor (Acute)** 10

**Acute toxicity - fish** EC<sub>50</sub>, 96 hours: 0.01-0.1 mg/l,

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.01-0.1 mg/l, Daphnia magna

**Acute toxicity - microorganisms** LOEC, : 0.375 mg/l, Activated sludge

##### Chronic aquatic toxicity

**NOEC** 0.001 < NOEC ≤ 0.01

**Degradability** Rapidly degradable

**M factor (Chronic)** 1

#### 12.2. Persistence and degradability

**Persistence and degradability** Degrades very slowly in nature.

#### Ecological information on ingredients.

## Espro Purple Beerline Cleaner

### POTASSIUM HYDROXIDE

**Persistence and degradability** No information available.

### SODIUM HYPOCHLORITE

**Stability (hydrolysis)** Water  
 - Half-life 10% NaOCl: 220 days @ 25°C  
 - Half-life 5% NaOCl: 790 days @ 25°C  
 REACH dossier information.

**Biodegradation** The methods for determining the biological degradability are not applicable to inorganic substances.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

**Partition coefficient** No information available.

### Ecological information on ingredients.

### POTASSIUM HYDROXIDE

**Bioaccumulative potential** Not relevant.

### SODIUM HYPOCHLORITE

**Bioaccumulative potential** Low potential for bioaccumulation.

**Partition coefficient** log Kow: -3.4174 REACH dossier information.

### 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

### Ecological information on ingredients.

### POTASSIUM HYDROXIDE

**Adsorption/desorption coefficient** No information available.

### SODIUM HYPOCHLORITE

**Henry's law constant** 0.076 @ 20°C

### 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. Endocrine disrupting properties

**Endocrine disrupting properties** This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

### Ecological information on ingredients.

### POTASSIUM HYDROXIDE

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**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

### SODIUM HYPOCHLORITE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

#### Ecological information on ingredients.

### POTASSIUM HYDROXIDE

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>General information</b>	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.
<b>Disposal methods</b>	The packaging must be empty (drop-free when inverted). Wash with plenty of water. Dispose of waste via a licensed waste disposal contractor. Reuse or recycle products wherever possible.
<b>Waste class</b>	EWC Code: 06 02 04

## SECTION 14: Transport information

### 14.1. UN number

<b>UN No. (ADR/RID)</b>	1814
<b>UN No. (IMDG)</b>	1814
<b>UN No. (ICAO)</b>	1814
<b>UN No. (ADN)</b>	1814

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	POTASSIUM HYDROXIDE, SOLUTION
<b>Proper shipping name (IMDG)</b>	POTASSIUM HYDROXIDE, SOLUTION
<b>Proper shipping name (ICAO)</b>	POTASSIUM HYDROXIDE, SOLUTION
<b>Proper shipping name (ADN)</b>	POTASSIUM HYDROXIDE, SOLUTION

### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	8
<b>ADR/RID classification code</b>	C9
<b>ADR/RID label</b>	8
<b>IMDG class</b>	8
<b>ICAO class/division</b>	8

## Espro Purple Beerline Cleaner

ADN class 8

### Transport labels



### 14.4. Packing group

ADR/RID packing group II  
 IMDG packing group II  
 ICAO packing group II  
 ADN packing group II

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-A, S-B  
 ADR transport category 2  
 Emergency Action Code 2R  
 Hazard Identification Number (ADR/RID) 80  
 Tunnel restriction code (E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

**National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
 Control of Pollution (Special Waste) Regulations 1980 (as amended).  
 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
 EH40/2005 Workplace exposure limits.  
 The Hazardous Waste Regulations 2005.  
 The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).  
 UK Biocidal Regulations.  
 The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).

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### EU legislation

European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended)  
 European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
 European Regulation (EC) No 648/2004 on detergents (as amended).  
 European Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products (BPR) as amended.  
 Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006.

### Guidance

COSHH Essentials.  
 Technical Guidance WM2: Hazardous Waste.  
 ECHA Guidance on the Application of the CLP Criteria.  
 ECHA Guidance on the compilation of safety data sheets.  
 Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No information available.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	EWC European Waste Catalogue STOT RE = Specific target organ toxicity-repeated exposure PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. PNEC: Predicted No Effect Concentration. DNEL: Derived No Effect Level.
<b>General information</b>	Only trained personnel should use this material.
<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	27/01/2025
<b>Revision</b>	1
<b>SDS number</b>	23692
<b>Hazard statements in full</b>	H272 May intensify fire; oxidiser. H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H361d Suspected of damaging the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.