

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET EVOLUTION EV5 PERFUMED FLOOR CLEANER

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

#### 1.1. Product identifier

Product name	EVOLUTION EV5 PERFUMED FLOOR CLEANER
Internal identification	EV5, EV5/1000
Container size	2x1.5L, 3x1L

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

Identified uses	Floor cleaning and maintenance (general purpose).
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	Cleenol Group Ltd Neville House Beaumont Road Banbury Oxon OX16 1RB UK Tel: +44 (0)1295 251721 sales@cleenol.co.uk
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#### 1.4. Emergency telephone number

Emergency telephone	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 (UK only).
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### SECTION 2: Hazards identification

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

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

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Acute Tox. 4 - H302 Eye Dam. 1 - H318 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 3 - H412

#### 2.2. Label elements

##### Hazard pictograms



##### Signal word

Danger

##### Hazard statements

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p>
<b>Contains</b>	C9-11 ALCOHOL ETHOXYLATE 6-8 MOLES EO, LINALOOL, BENZYL SALICYLATE, TERPINEOL, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 4-tert-butylcyclohexyl acetate, HEXYL CINNAMALDEHYDE
<b>Detergent labelling</b>	Contains LINALOOL, BENZYL SALICYLATE, HEXYL CINNAMALDEHYDE, BRONOPOL (INN), COUMARIN, EUGENOL, d-LIMONENE
<b>Supplementary precautionary statements</b>	<p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P330 Rinse mouth.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>C9-11 ALCOHOL ETHOXYLATE 6-8 MOLES EO</b>	<b>30-60%</b>
CAS number: 68439-46-3	EC number: 931-514-1
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
<b>ETHANOL</b>	<b>10-30%</b>
CAS number: 64-17-5	EC number: 200-578-6
	REACH registration number: 01-2119457610-43-XXXX
<b>Classification</b>	
Flam. Liq. 2 - H225	

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<b>LINALOOL</b> <1%		
CAS number: 78-70-6	EC number: 201-134-4	REACH registration number: 01-2119474016-42-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1A - H317		
<b>BENZYL SALICYLATE</b> <1%		
CAS number: 118-58-1	EC number: 204-262-9	
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412		
<b>TERPINEOL</b> <1%		
CAS number: 8000-41-7	EC number: 232-268-1	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 2 - H411		
<b>4-tert-butylcyclohexyl acetate</b> <1%		
CAS number: 32210-23-4		
<b>Classification</b> Skin Sens. 1B - H317		
<b>1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one</b> <1%		
CAS number: 54464-57-2		
M factor (Chronic) = 1		
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Aquatic Chronic 1 - H410		

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<p><b>HEXAMETHYLINDENOPYRAN</b> <span style="float: right;"><b>&lt;1%</b></span></p> <p>CAS number: 1222-05-5                      EC number: 214-946-9                      REACH registration number: 01-2119488227-29-XXXX</p> <p>M factor (Chronic) = 1</p>
<p><b>Classification</b></p> <p>Aquatic Chronic 1 - H410</p>
<p><b>1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one</b> <span style="float: right;"><b>&lt;1%</b></span></p> <p>CAS number: 1506-02-1</p> <p>M factor (Chronic) = 1</p>
<p><b>Classification</b></p> <p>Acute Tox. 4 - H302</p> <p>Aquatic Chronic 1 - H410</p>
<p><b>ACETYL HEXAMETHYL TETRALIN</b> <span style="float: right;"><b>&lt;1%</b></span></p> <p>CAS number: 21145-77-7                      EC number: 244-240-6</p> <p>M factor (Chronic) = 1</p>
<p><b>Classification</b></p> <p>Acute Tox. 4 - H302</p> <p>Aquatic Chronic 1 - H410</p>
<p><b>HEXYL CINNAMALDEHYDE</b> <span style="float: right;"><b>&lt;1%</b></span></p> <p>CAS number: 101-86-0                      EC number: 202-983-3</p> <p>M factor (Acute) = 1</p>
<p><b>Classification</b></p> <p>Skin Sens. 1 - H317</p> <p>Aquatic Acute 1 - H400</p> <p>Aquatic Chronic 2 - H411</p>

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<b>BRONOPOL (INN)</b>		<b>&lt;1%</b>
CAS number: 52-51-7	EC number: 200-143-0	REACH registration number: 01-2119980938-15-XXXX
M factor (Acute) = 10		
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	If spray/mist has been inhaled, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Keep affected person under observation. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Give milk instead of water if readily available. Keep affected person under observation. Get medical attention if symptoms are severe or persist. Get medical attention if a large quantity has been ingested.
<b>Skin contact</b>	Take off contaminated clothing. Rinse immediately with plenty of water. Get medical attention if symptoms are severe or persist after washing. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

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

<b>General information</b>	The product contains a sensitising substance.
<b>Inhalation</b>	Considered to be a low inhalation hazard at normal workplace temperatures.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin contact</b>	May cause sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations.
<b>Specific treatments</b>	Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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**Unsuitable extinguishing media** Do not use water, if avoidable.

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

**Specific hazards** Flammable liquid and vapour.

**Hazardous combustion products** Flammable gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Carbon.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Fight fire with normal precautions from a reasonable distance.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin, eyes and clothing. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material. Take precautionary measures against static discharges.

### 6.2. Environmental precautions

**Environmental precautions** May cause long lasting harmful effects to aquatic life. Avoid release to the environment.

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

**Methods for cleaning up** Eliminate all sources of ignition. Absorb in vermiculite, dry sand or earth and place into containers. Do not use sawdust or other combustible material. Absorb small quantities with paper towels and evaporate in a safe place.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** For professional users only. Avoid breathing spray. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame.

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

**Storage precautions** Do not store near heat sources or expose to high temperatures. Keep away from combustible material. Keep away from heat, sparks and open flame. Keep container tightly sealed when not in use. Keep only in the original container in a cool, well-ventilated place.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2. Refer to Product Use Guide (PUG) for further information.

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### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit.

#### 8.2. Exposure controls

##### Protective equipment



##### Eye/face protection

Wear eye protection.

##### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber. Wear protective gauntlets made of the following material: Polyvinyl chloride (PVC).

##### Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

##### Hygiene measures

Good personal hygiene procedures should be implemented. Wash contaminated skin thoroughly after handling.

##### Respiratory protection

No specific requirements are anticipated under normal conditions of use. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and chemical properties

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

Appearance	Clear liquid.
Colour	Orange.
Odour	Pine.
pH	pH (concentrated solution): 5 - 8
Initial boiling point and range	100°C
Flash point	34°C Pinsky-Martens closed cup.
Relative density	0.991 - 1.001 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Non-viscous.
Oxidising properties	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

Refractive index	36.5 - 37.5
Volatile organic compound	This product contains a maximum VOC content of 10 %.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

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

#### 10.4. Conditions to avoid

**Conditions to avoid** Heating may cause a fire. Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Avoid contact with strong oxidising agents.

#### 10.5. Incompatible materials

**Materials to avoid** Keep away from oxidising materials, heat and flames.

#### 10.6. Hazardous decomposition products

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

### 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.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 1,470.59

#### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)** 588.0

#### Skin corrosion/irritation

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

#### Extreme pH

Moderate pH (> 2 and < 11.5).

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

#### Respiratory sensitisation

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

#### Skin sensitisation

**Skin sensitisation** Sensitising. May cause an allergic skin reaction.

#### Inhalation

Considered to be a low inhalation hazard at normal workplace temperatures.

#### Ingestion

Harmful if swallowed.

#### Skin contact

The product contains a sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

#### Eye contact

Causes serious eye damage.



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**Route of exposure**                    Ingestion Skin and/or eye contact

**Medical considerations**            Pre-existing eye problems. Skin disorders and allergies.

### SECTION 12: Ecological information

**Ecotoxicity**                            The product contains a substance which is harmful to aquatic organisms.

#### 12.1. Toxicity

**Toxicity**                                Harmful to Aquatic Organisms

#### Ecological information on ingredients.

##### 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

###### Chronic aquatic toxicity

**NOEC**                                    0.01 < NOEC ≤ 0.1

**Degradability**                        Non-rapidly degradable

**M factor (Chronic)**                    1

##### HEXAMETHYLINDENOPYRAN

###### Chronic aquatic toxicity

**NOEC**                                    0.01 < NOEC ≤ 0.1

**Degradability**                        Non-rapidly degradable

**M factor (Chronic)**                    1

##### 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one

###### Chronic aquatic toxicity

**NOEC**                                    0.01 < NOEC ≤ 0.1

**Degradability**                        Non-rapidly degradable

**M factor (Chronic)**                    1

##### ACETYL HEXAMETHYL TETRALIN

###### Chronic aquatic toxicity

**NOEC**                                    0.01 < NOEC ≤ 0.1

**Degradability**                        Non-rapidly degradable

**M factor (Chronic)**                    1

##### HEXYL CINNAMALDEHYDE

###### Acute aquatic toxicity

**LE(C)<sub>50</sub>**                                    0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)**                        1

##### BRONOPOL (INN)

###### Acute aquatic toxicity

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

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**M factor (Acute)** 10

### 12.2. Persistence and degradability

**Persistence and degradability** Moderately biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product contains substances which are water-soluble and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Following dilution, discharge to the sewer with plenty of water may be permitted.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 1993

**UN No. (IMDG)** 1993

**UN No. (ICAO)** 1993

**UN No. (ADN)** 1993

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene)

**Proper shipping name (IMDG)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene)

**Proper shipping name (ICAO)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene)

**Proper shipping name (ADN)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL, 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene)

### 14.3. Transport hazard class(es)

**ADR/RID class** 3

**ADR/RID classification code** F1

**ADR/RID label** 3

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IMDG class	3
ICAO class/division	3
ADN class	3

### Transport labels



### 14.4. Packing group

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

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/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

EU legislation	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).</p> <p>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).</p>
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**Guidance** EH40/2005 Workplace exposure limits  
Containing the list of workplace exposure limits for use with the Control of Substances  
Hazardous to Health Regulations 2002 (as amended)  
Health and Safety Executive

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>Issued by</b>	Regulatory Chemist
<b>Revision date</b>	10/05/2021
<b>Revision</b>	5
<b>Supersedes date</b>	24/02/2021
<b>SDS number</b>	21229
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. 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. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.