

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

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

#### 1.1. Product identifier

Product name	EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER
Internal identification	EV2, EV2/1000
Container size	2x1.5L, 3x1L

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

Identified uses	Cleaning agent. Degreaser. Heavy duty. For use on exterior areas of canopy hoods, canopy filters, fat fryers, cookers, stainless steel wall cladding, glazed tiles, floors, walls and other hard surfaces.
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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	Not Classified
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
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Hazard statements	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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## EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

<b>Precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</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>
<b>Contains</b>	ALCOHOLS, C12-C14, ETHOXYLATED, 2-METHYLISOTHIAZOL-3(2H)-ONE
<b>Detergent labelling</b>	Contains BRONOPOL (INN)
<b>Supplementary precautionary statements</b>	<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>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P330 Rinse mouth.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</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>ALCOHOLS, C12-C14, ETHOXYLATED</b>	<b>30-60%</b>
CAS number: 68439-50-9	EC number: 500-213-3
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
Aquatic Chronic 3 - H412	
<b>2-(2-BUTOXYETHOXY)ETHANOL</b>	<b>5-10%</b>
CAS number: 112-34-5	EC number: 203-961-6
	REACH registration number: 01-2119475104-44-XXXX
<b>Classification</b>	
Eye Irrit. 2 - H319	
<b>β-ALANINE, N-(2-CARBOXYETHYL)-, N-COCO ALKYL DERIV., DISODIUM SALT</b>	<b>5-10%</b>
CAS number: 90170-43-7	EC number: 290-476-8
<b>Classification</b>	
Eye Irrit. 2 - H319	

## EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

<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 affected person from source of contamination. Keep affected person under observation. No special treatment required. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Get medical attention if a large quantity has been ingested. If in doubt, get medical attention promptly.
<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.
<b>Protection of first aiders</b>	No specific requirements are anticipated under normal conditions of use.

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

<b>Inhalation</b>	Considered to be a low inhalation hazard at normal workplace temperatures. No adverse effects known.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin contact</b>	No adverse effects known.
<b>Eye contact</b>	May cause serious eye damage.

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

<b>Specific treatments</b>	Treat symptomatically.
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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.
<b>Unsuitable extinguishing media</b>	None known.

## EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

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

**Specific hazards** Irritating gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** 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 eyes. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material.

### 6.2. Environmental precautions

**Environmental precautions** Harmful to aquatic life. Avoid discharge to the aquatic environment.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Avoid contamination of ponds or watercourses with washing down water. Discharge of small quantities to the sewer with plenty of water may be permitted.

### 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 contact with eyes. Avoid release to the environment.

**Advice on general occupational hygiene** Wash contaminated skin thoroughly after handling.

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

**Storage precautions** Keep only in the original container. Keep container tightly sealed when not in use. Keep away from food and drink.

**Storage class** Chemical 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.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **2-(2-BUTOXYETHOXY)ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

## EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

### 8.2. Exposure controls

#### Protective equipment



<b>Appropriate engineering controls</b>	No specific ventilation requirements.
<b>Eye/face protection</b>	Wear eye protection.
<b>Hand protection</b>	No specific requirements are anticipated under normal conditions of use. For users with sensitive skin, it is recommended that suitable protective gloves are worn. Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber.
<b>Hygiene measures</b>	Wash hands thoroughly after handling.
<b>Respiratory protection</b>	No specific requirements are anticipated under normal conditions of use. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Coloured liquid.
<b>Colour</b>	Amber.
<b>Odour</b>	Detergent.
<b>pH</b>	pH (concentrated solution): 9.6 - 13.6
<b>Initial boiling point and range</b>	100°C @ 760 mm Hg
<b>Flash point</b>	Not applicable.
<b>Other flammability</b>	Not applicable.
<b>Relative density</b>	~ 1.04 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Viscosity</b>	Non-viscous.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Refractive index</b>	45 - 47
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 10 %.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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## EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

### 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** Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

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

### 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)** 1,355.01

#### Serious eye damage/irritation

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

#### Skin sensitisation

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

#### Ingestion

Harmful if swallowed.

## SECTION 12: Ecological information

**Ecotoxicity** May cause long lasting harmful effects to aquatic life.

### 12.1. Toxicity

**Toxicity** Harmful to Aquatic Organisms

### 12.2. Persistence and degradability

**Persistence and degradability** Moderately biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 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.

## EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

### 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. Discharge of small quantities to the sewer with plenty of water may be permitted.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 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.

## EVOLUTION EV2 CONCENTRATED HEAVY DUTY CLEANER & DEGREASER

### SECTION 15: Regulatory information

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

<b>EU legislation</b>	<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>
<b>Guidance</b>	<p>EH40/2005 Workplace exposure limits</p> <p>Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended)</p> <p>Health and Safety Executive</p>

#### 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>	08/04/2021
<b>Revision</b>	16
<b>Supersedes date</b>	23/02/2021
<b>SDS number</b>	10179
<b>Hazard statements in full</b>	<p>H301 Toxic if swallowed.</p> <p>H302 Harmful if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H330 Fatal if inhaled.</p> <p>H331 Toxic if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>

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.