

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET EVOLUTION EV3 X2 ANTIBACTERIAL MULTI-SURFACE CLEANER

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

#### 1.1. Product identifier

Product name	EVOLUTION EV3 X2 ANTIBACTERIAL MULTI-SURFACE CLEANER
Internal identification	EV3/X2
Container size	4x325ml
UFI	UFI: 5732-0086-N001-TTUV

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

Identified uses	Cleaning agent. Disinfectant.
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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 via 111 (UK only).
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### SECTION 2: Hazards identification

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

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

Physical hazards	Not Classified
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Danger
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Hazard statements	H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
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<b>Precautionary statements</b>	<p>P260 Do not breathe vapour/ spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</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, Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16))
<b>Supplementary precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P391 Collect spillage.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P405 Store locked up.</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>2-AMINOETHANOL</b>	<b>1-5%</b>
CAS number: 141-43-5	EC number: 205-483-3
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
<b>Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16))</b>	<b>4.7%</b>
CAS number: 68424-85-1	EC number: 270-325-2
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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<b>ALCOHOLS, C12-C14, ETHOXYLATED</b>	<b>1-5%</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	

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>	No specific recommendations.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if symptoms are severe or persist.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention.

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

<b>Inhalation</b>	The product is considered to be a low hazard under normal conditions of use.
<b>Ingestion</b>	Corrosive. May be harmful if swallowed.
<b>Skin contact</b>	May cause serious chemical burns to the skin.
<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

<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.

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

<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
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#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials. Firefighter's clothing will provide a basic level of protection for chemical incidents.

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### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material. Wash thoroughly after dealing with a spillage.

#### 6.2. Environmental precautions

**Environmental precautions** The product contains a substance which is toxic to aquatic organisms. Avoid discharge to the aquatic environment.

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

**Methods for cleaning up** Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water.

#### 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 skin, eyes and clothing. Avoid breathing spray. Avoid release to the environment.

**Advice on general occupational hygiene** Do not eat or drink while using this product. Wash hands thoroughly after handling.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright.

**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

##### 2-AMINOETHANOL

Long-term exposure limit (8-hour TWA): WEL 3 ppm 7.6 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 6 ppm 15 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

**Ingredient comments** No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls** No specific ventilation requirements.

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<b>Personal protection</b>	Avoid breathing spray or mist.
<b>Eye/face protection</b>	No specific eye protection required during normal use. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.
<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
<b>Respiratory protection</b>	No specific requirements are anticipated under normal conditions of use.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Red.
<b>Odour</b>	Odourless.
<b>pH</b>	pH (concentrated solution): 11.5 - 12.5
<b>Initial boiling point and range</b>	100°C
<b>Flash point</b>	Not applicable.
<b>Relative density</b>	1.025 - 1.035 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not determined.
<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>	17.8 - 18.7
<b>Volatile organic compound</b>	This product contains a maximum VOC content of <1 %.

### 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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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 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** Avoid contact with acids.

### 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)** 3,766.48

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 22,222.22

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 90,909.09

**ATE inhalation (vapours mg/l)** 222.22

**ATE inhalation (dusts/mists mg/l)** 30.3

#### Skin corrosion/irritation

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

**Extreme pH**  $\geq 11.5$

#### Serious eye damage/irritation

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

**Inhalation** The product is considered to be a low hazard under normal conditions of use.

**Ingestion** Corrosive. May be harmful if swallowed.

**Skin contact** May cause serious chemical burns to the skin.

**Eye contact** Causes serious eye damage.

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

**Medical considerations** Pre-existing eye problems.

## SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

**Toxicity** Very toxic to aquatic organisms.

### 12.2. Persistence and degradability

**Persistence and degradability** Moderately biodegradable.

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### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

**Mobility**                              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.

### 12.6. Other adverse effects

**Other adverse effects**                      Not applicable.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**                      Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

**Disposal methods**                        Dispose of waste product or used containers in accordance with local regulations

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)**                      1760

**UN No. (IMDG)**                         1760

**UN No. (ICAO)**                         1760

**UN No. (ADN)**                         1760

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**      CORROSIVE LIQUID, N.O.S. (ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE)

**Proper shipping name (IMDG)**      CORROSIVE LIQUID, N.O.S. (ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE)

**Proper shipping name (ICAO)**      CORROSIVE LIQUID, N.O.S. (ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE)

**Proper shipping name (ADN)**      CORROSIVE LIQUID, N.O.S. (ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE)

### 14.3. Transport hazard class(es)

**ADR/RID class**                         8

**ADR/RID classification code**      C9

**ADR/RID label**                         8

**IMDG class**                             8

**ICAO class/division**                 8

**ADN class**                             8

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### 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-A, S-B
ADR transport category	3
Emergency Action Code	2X
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

<b>EU legislation</b>	Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products (as amended).
<b>Guidance</b>	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

No chemical safety assessment has been carried out.

### SECTION 16: Other information

Issued by	Regulatory Chemist
Revision date	22/06/2021
Revision	18
Supersedes date	13/04/2021
SDS number	20676



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<b>Hazard statements in full</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H332 Harmful 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.
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