CLEENOL For a cleaner, safer world

SAFETY DATA SHEET
EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

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

1.1. Product identifier

Product name EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

Internal identification EV11/X2

Container size 4x325mL

UFI UFI: Q9A1-S0PF-500Y-7P60

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

Identified uses Cleaning agent.

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

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).

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. 1A - H314 Eye Dam. 1 - H318

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements

EUH208 Contains d-LIMONENE, CITRAL, LINALOOL. May produce an allergic reaction.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

Precautionary statements	P260 Do not breathe vapour/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 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. P363 Wash contaminated clothing before reuse.
Contains	ALCOHOLS, C12-C14, ETHOXYLATED, Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16))
Detergent labelling	Contains d-LIMONENE, CITRAL, BRONOPOL (INN)
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see medical advice on this label). P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

CITRIC ACID MONOHYDRATE **10-30%**

CAS number: 5949-29-1 EC number: 691-328-9

Classification
Eye Irrit. 2 - H319

ALCOHOLS, C12-C14, ETHOXYLATED **10-30%**

CAS number: 68439-50-9 EC number: 500-213-3

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)) **5.0%**

CAS number: 68424-85-1 EC number: 270-325-2

M factor (Acute) = 10 M factor (Chronic) = 1

Classification
Acute Tox. 4 - H302
Skin Corr. 1A - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

d-LIMONENE **<1%**

CAS number: 5989-27-5 EC number: 227-813-5

M factor (Acute) = 1

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 3 - H412

CITRAL **<1%**

CAS number: 5392-40-5 EC number: 226-394-6

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

BRONOPOL (INN) **<1%**

CAS number: 52-51-7 EC number: 200-143-0

M factor (Acute) = 10

Classification
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

Inhalation Unlikely route of exposure as the product does not contain volatile substances.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact Take off contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if symptoms are severe or persist after washing.

Eye contact Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention.

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

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

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

Ingestion Corrosive. May be harmful if swallowed.

Skin contact Causes severe burns. The product contains a sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact Causes serious eye damage.

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

Notes for the doctor No specific recommendations.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards Water used for fire extinguishing, which has been in contact with the product, may be corrosive. Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing 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.

6.2. Environmental precautions

Environmental precautions Toxic to aquatic life with long lasting effects. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Clear up spills immediately and dispose of waste safely. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of contents/container in accordance with local regulations. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

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

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions For professional users only. Handle and open container with care. Avoid contact with eyes and prolonged skin contact. Do not breathe spray. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container. Store at room temperature. Protect from freezing and direct sunlight. Keep containers upright.

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.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

CITRIC ACID MONOHYDRATE

Long-term exposure limit (8-hour TWA): 4 mg/m³
Short-term exposure limit (15-minute): 10 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls No specific ventilation requirements.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn.

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. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

Hygiene measures Wash promptly if skin becomes contaminated.

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 Liquid.

Colour Purple.

Odour Fruity.

pH pH (concentrated solution): 1 - 2

Initial boiling point and range 100°C @ 760 mm Hg

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

Flash point	Not applicable.
Other flammability	Not applicable.
Relative density	~ 1.08 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Refractive index	32 - 34
Volatile organic compound	This product contains a maximum VOC content of <1 %.

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 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 requirements are anticipated under normal conditions of use.

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) 2,702.7

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Extreme pH ≤ 2

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 May cause sensitisation or allergic reactions in sensitive individuals.

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

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.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation No specific symptoms known.

Ingestion Corrosive. May cause discomfort.

Skin contact Causes severe burns. The product contains a sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact Causes serious eye damage.

Route of exposure Skin and/or eye contact

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

SECTION 12: Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability Moderately biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product is 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.

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

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 to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



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

EU legislation	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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Regulatory Chemist
Revision date	05/08/2021
Revision	23
Supersedes date	27/07/2021
SDS number	21772

EVOLUTION EV11 X2 PERFUMED ANTIBACTERIAL MULTI-SURFACE CLEANER

Hazard statements in full

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
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.
EUH208 Contains d-LIMONENE, CITRAL, LINALOOL. May produce an allergic reaction.

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.