



SAFETY DATA SHEET

CLEENOL EVOLUTION X2 BATH & WASHROOM CLEANER

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

1.1. Product identifier

Product name CLEENOL EVOLUTION X2 BATH & WASHROOM CLEANER

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
Fax : +44 (0)1295 269561
sales@cleenol.co.uk

1.4. Emergency telephone number

Emergency telephone Emergency contact number 01295 251721 (9am to 5pm Monday to Friday excluding bank holidays). Ask for Technical Department quoting the product name. Outside of these hours please contact your doctor or local hospital accident and emergency department or the NHS enquiry service (dial 111) quoting product name and present this MSDS advising them that the product is registered with the National Poisons Information Service

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Elicitation - EUH208 STOT SE 3 - H335
Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R37/38,R41. R52/53.

2.2. Label elements

Pictogram



Signal word

Danger

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| | |
|---|---|
| Hazard statements | <p>H314 Causes severe skin burns and eye damage.</p> <p>H335 May cause respiratory irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>EUH208 Contains d-LIMONENE. May produce an allergic reaction.</p> |
| Precautionary statements | <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves.</p> <p>P280 Wear eye protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</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>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> |
| Contains | CITRIC ACID, FATTY ALCOHOL ETHOXYLATE, BENZALKONIUM CHLORIDE |
| Supplementary precautionary statements | <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> |

2.3. Other hazards

| | |
|---------------|------|
| Other Hazards | None |
|---------------|------|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | | |
|---------------------------------|----------------------|--|---------------|
| CITRIC ACID | | | 10-30% |
| CAS number: 77-92-9 | EC number: 201-069-1 | REACH registration number: 01-2119457026-42-XXXX | |
| Classification | | Classification (67/548/EEC or 1999/45/EC) | |
| Skin Irrit. 2 - H315 | | Xi;R36/37/38. | |
| Eye Irrit. 2 - H319 | | | |
| STOT SE 3 - H335 | | | |
| FATTY ALCOHOL ETHOXYLATE | | | 10-30% |
| CAS number: 160901-19-9 | | | |
| Classification | | Classification (67/548/EEC or 1999/45/EC) | |
| Acute Tox. 4 - H302 | | Xn;R22. Xi;R41. | |
| Eye Dam. 1 - H318 | | | |

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| BENZALKONIUM CHLORIDE | | 5-10% |
| CAS number: 68424-85-1 | | |
| M factor (Acute) = 10 | M factor (Chronic) = 1 | |
| Classification Met. Corr. 1 - H290 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | | Classification (67/548/EEC or 1999/45/EC) Xn;R21/22. C;R34. N;R50. |
| d-LIMONENE | | <1% |
| CAS number: 5989-27-5 | | |
| EC number: 227-813-5 | | |
| M factor (Acute) = 1 | M factor (Chronic) = 1 | |
| Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | | Classification (67/548/EEC or 1999/45/EC) R10 R43 Xi;R38 N;R50/53 |
| CITRAL | | <1% |
| CAS number: 5392-40-5 | | |
| EC number: 226-394-6 | | |
| Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317 | | Classification (67/548/EEC or 1999/45/EC) R43 Xi;R38 |
| BRONOPOL (INN) | | <1% |
| CAS number: 52-51-7 | | |
| EC number: 200-143-0 | | |
| REACH registration number: 01-2119980938-15-XXXX | | |
| M factor (Acute) = 10 | | |
| Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400 | | Classification (67/548/EEC or 1999/45/EC) Xn;R21/22 Xi;R37/38,R41 N;R50 |

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

| | |
|------------|--|
| Inhalation | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
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| | |
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| Ingestion | Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. |
| Skin contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. |
| Eye contact | 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. |

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

| | |
|--------------|--------------------------------------|
| Inhalation | May be harmful if inhaled. |
| Ingestion | May be harmful if swallowed. |
| Skin contact | May be harmful in contact with skin. |
| Eye contact | May cause serious eye damage. |

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

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|---------------------|---|
| Specific treatments | Seek medical attention if irritation or symptoms persist. Symptomatic treatment |
|---------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. |
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5.2. Special hazards arising from the substance or mixture

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| Specific hazards | Burning may produce irritating, toxic and obnoxious fumes. Oxides of Carbon, Nitrogen and Sulphur. |
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5.3. Advice for firefighters

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| Special protective equipment for firefighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|----------------------|---|
| Personal precautions | Wear protective clothing as described in Section 8 of this safety data sheet. |
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6.2. Environmental precautions

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|---------------------------|--|
| Environmental precautions | Avoid or minimise the creation of any environmental contamination. |
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6.3. Methods and material for containment and cleaning up

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|-------------------------|---|
| Methods for cleaning up | Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. |
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6.4. Reference to other sections

| | |
|-----------------------------|---|
| Reference to other sections | See section 3, 8 & 13 for further information |
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------|---|
| Usage precautions | Avoid spilling. Avoid contact with skin and eyes. |
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7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

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

Long-term exposure limit (8-hour TWA): 4 mg/m³

Short-term exposure limit (15-minute): 10 mg/m³

Ingredient comments WEL = Workplace Exposure Limits

CITRIC ACID (CAS: 77-92-9)

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Not relevant.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection No specific recommendations. 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 Blue.

Odour Characteristic.

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| | |
|---------------------------------|-------------------|
| pH | 0-2 |
| Initial boiling point and range | 100°C @ 760 mm Hg |
| Relative density | 1.086 @ 20°C |

9.2. Other information

| | |
|-------------------|-------|
| Other information | None. |
|-------------------|-------|

SECTION 10: Stability and reactivity

10.1. Reactivity

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| Reactivity | No test data specifically related to reactivity available for this product or its ingredients. |
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10.2. Chemical stability

| | |
|-----------|--|
| Stability | Stable at normal ambient temperatures. |
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10.3. Possibility of hazardous reactions

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|------------------------------------|-------------|
| Possibility of hazardous reactions | None known. |
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10.4. Conditions to avoid

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|---------------------|---|
| Conditions to avoid | Avoid excessive heat for prolonged periods of time. |
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10.5. Incompatible materials

| | |
|--------------------|-------------|
| Materials to avoid | None known. |
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10.6. Hazardous decomposition products

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| Hazardous decomposition products | Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂). |
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SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity - oral

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|------------------|---------|
| ATE oral (mg/kg) | 2,500.0 |
|------------------|---------|

Acute toxicity - dermal

| | |
|--------------------|----------|
| ATE dermal (mg/kg) | 22,000.0 |
|--------------------|----------|

| | |
|--------------|--|
| Inhalation | Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. |
| Ingestion | May cause discomfort if swallowed. |
| Skin contact | May cause sensitisation by skin contact. |
| Eye contact | Risk of serious damage to eyes. |

SECTION 12: Ecological Information

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| Ecotoxicity | Not regarded as dangerous for the environment. |
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12.1. Toxicity

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| Toxicity | The product is not believed to present a hazard due to its physical nature. |
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12.2. Persistence and degradability

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Persistence and degradability The product is 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.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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. CONTAINS BENZALKONIUM CHLORIDE

Proper shipping name (IMDG) CORROSIVE LIQUID, N.O.S.

Proper shipping name (ICAO) CORROSIVE LIQUID, N.O.S.

Proper shipping name (ADN) CORROSIVE LIQUID, N.O.S.

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



CLEENOL EVOLUTION X2 BATH & WASHROOM CLEANER

14.4. Packing group

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

SECTION 15: Regulatory information

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

| | |
|----------------------|--|
| National regulations | The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). |
| EU legislation | 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). 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). |
| Guidance | Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations Approved Classification and Labelling Guide (Sixth edition) L131. |

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

| | |
|-----------------|------------|
| Revision date | 07/06/2017 |
| Revision | 10 |
| Supersedes date | 05/05/2017 |
| SDS number | X2N2 |

CLEENOL EVOLUTION X2 BATH & WASHROOM CLEANER

| | |
|----------------------------------|---|
| Risk phrases in full | R10 Flammable. |
| | R21/22 Harmful in contact with skin and if swallowed. |
| | R22 Harmful if swallowed. |
| | R34 Causes burns. |
| | R36/37/38 Irritating to eyes, respiratory system and skin. |
| | R37/38 Irritating to respiratory system and skin. |
| | R38 Irritating to skin. |
| | R41 Risk of serious damage to eyes. |
| | R43 May cause sensitisation by skin contact. |
| | R50 Very toxic to aquatic organisms. |
| | R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| | R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| Hazard statements in full | H226 Flammable liquid and vapour. |
| | H290 May be corrosive to metals. |
| | H302 Harmful if swallowed. |
| | 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. |
| | 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. |
| | EUH208 Contains d-LIMONENE. 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.