PRODUCT USE GUIDE FOR

# EVOLUTION EV1 CONCENTRATED POTWASH DETERGENT

# N4

## Product Description

For manual washing of pots, pans, crockery and utensils.

## Product Features

- Specially designed for use through the Cleenol Evolution dispensing system.
- A highly concentrated detergent liquid for use in the manual hand washing of crockery, utensils, and cutlery, in pot wash sink applications.
- The product may be dispensed at a rate of 5ml, 10ml, 15ml or 20ml per 5L of water, depending upon the strength of finished product required. The following dilution rates are recommended :

| | | | |
|---|---|---|---|
| 5ml | Light soiling | 15ml | Medium to heavy soiling |
| 10ml | Light to medium soiling | 20ml | Heavy soiling |

## Direction for Use

- Insert plug into sink and fill with hot water.
- Follow dispenser use guide and dispense product into sink.
- Immerse items to be cleaned and allow to soak. Wipe plates with cloth / scourer.
- Rinse and allow to air dry.

**Reloading Pouch Pack:**

- (1) Remove empty pouch from dispenser and dispose of as normal waste. (2) Remove screw cap. (3) Insert pouch in Evolution Dispenser No. 1. (4) Depress locking cap firmly into pouch. (5) Lock cabinet. (6) Insert over-rider key and pump until product is dispensed (ensure flask is in place).

## Storage

- Store in cool conditions away from direct sources of heat
- Avoid extremes of temperature
- Do not allow to freeze
- Ensure the cap is tightly fitted after use
- Keep out of reach of children

## Shelf Life

- Shelf life 24 months, if stored as recommended.
- Use within 6 months of opening.

## Environmental

- Do not allow large quantities of neat product to enter surface waterways.
- This product uses recyclable packaging. The detergents used in the formulation are biodegradable to EU guidelines under the detergents regulations (EC) No 648/2004.
- It contains no Phosphates.
- None of the components of this product are animal derived.

**Cleenol Group Ltd**
Beaumont Road, Banbury, Oxon, OX16 1RB. UK.
Tel: +44 (0) 1295 251721 Fax: +44 (0) 1295 269561
Email: sales@cleenol.co.uk
www.cleenol.co.uk

JH/SMW/ES

Certificate No. 316
Certificate No. E3539

PRODUCT USE GUIDE FOR

# EVOLUTION EV1 CONCENTRATED POTWASH DETERGENT

# N4

**For further information please scan your QR Smart Reader here**

## Code Nos.

EV1 2x1.5L

## Data Sheet No. N4

Note: This product is only to be used for the purpose for which it was intended and in accordance with the specified instructions. This product should never be mixed with other chemical products and should be handled with care and stored carefully out of reach of children.

**Cleenol Group Ltd**
Beaumont Road, Banbury, Oxon, OX16 1RB. UK.
Tel: +44 (0) 1295 251721 Fax: +44 (0) 1295 269561
Email: sales@cleenol.co.uk
www.cleenol.co.uk

JH/SMW/ES

Certificate No. 316

Certificate No. E3539

# SAFETY DATA SHEET
# CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

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

### 1.1. Product identifier

**Product name** CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

### 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 (9am to 5pm Monday to Friday excluding bank holidays): 01295 251721 ask for technical, quoting the product name.
Emergency Action: In the event of a medical enquiry involving this product outside of these hours, please contact your doctor or local hospital accident and emergency department or the NHS enquiry service (dial 111) again quoting product name and where applicable present this MSDS to the medical professional.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** Xi;R41.

### 2.2. Label elements

**Pictogram**



**Signal word** Danger

# CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

**Hazard statements** H315 Causes skin irritation.
H318 Causes serious eye damage.

**Precautionary statements** P264 Wash contaminated skin thoroughly after handling.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P280 Wear eye protection.
P280 Wear protective gloves.
P501 Dispose of contents/ container in accordance with local regulations.

**Contains** SODIUM DODECYL BENZENE SULPHONATE, FATTY ALCOHOL ETHOXYLATE

### 2.3. Other hazards

**Other Hazards** None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**SODIUM DODECYL BENZENE SULPHONATE** **10-30%**

CAS number: 68411-30-3 REACH registration number: 01-2119489428-22-XXXX

**Classification**
Skin Irrit. 2 - H315
Eye Dam. 1 - H318

**Classification (67/548/EEC or 1999/45/EC)**
Xi;R38,R41.

**PROPAN-2-OL** **1-5%**

CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25-0000

**Classification**
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

**Classification (67/548/EEC or 1999/45/EC)**
F;R11 Xi;R36 R67

**FATTY ALCOHOL ETHOXYLATE** **1-5%**

CAS number: 160901-19-9

**Classification**
Acute Tox. 4 - H302
Eye Dam. 1 - H318

**Classification (67/548/EEC or 1999/45/EC)**
Xn;R22. Xi;R41.

# CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

| SODIUM LAURYL ETHER SULPHATE | | 1-5% |
|---|---|---|
| CAS number: 3088-31-1 | EC number: 221-416-0 | REACH registration number: 01-2119488639-16-XXXX |

| Classification | Classification (67/548/EEC or 1999/45/EC) |
|---|---|
| Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319 | Xi;R36/38. |

| BRONOPOL (INN) | | <1% |
|---|---|---|
| CAS number: 52-51-7 | EC number: 200-143-0 | |
| M factor (Acute) = 10 | | |

| Classification | Classification (67/548/EEC or 1999/45/EC) |
|---|---|
| Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318<br>STOT SE 3 - H335<br>Aquatic Acute 1 - H400 | 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

**Ingestion** Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Skin contact** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**Inhalation** May cause respiratory irritation.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** May cause skin irritation.

**Eye contact** May cause eye irritation.

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

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

## 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.

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

**Specific hazards** Burning may produce irritating, toxic and obnoxious fumes.
Oxides of Carbon, Nitrogen and Sulphur.

### 5.3. Advice for firefighters

# CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

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

## 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.

### 6.2. Environmental precautions

**Environmental precautions** Avoid or minimise the creation of any environmental contamination.

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

**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.

### 6.4. Reference to other sections

**Reference to other sections** See section 3,8 & 13 for further information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes.

### 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 only in the original container.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**SHELF LIFE OF DILUTION**
**12 MONTHS**

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits**

**PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³
WEL = Workplace Exposure Limit

### 8.2. Exposure controls

**Protective equipment**



**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.

**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.

# CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

| | |
|---|---|
| **Other skin and body protection** | Use barrier creams to prevent skin contact. |
| **Hygiene measures** | Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. |
| **Respiratory protection** | Not relevant. |

## SECTION 9: Physical and Chemical Properties

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

| | |
|---|---|
| **Appearance** | Liquid. |
| **Colour** | Green. |
| **pH** | 8-10 |
| **Initial boiling point and range** | 100°C @ 760 mm Hg |
| **Relative density** | 1.03 @ °C |

### 9.2. Other information

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

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

| | |
|---|---|
| **Reactivity** | No test data specifically related to reactivity available for this product or its ingredients. |

### 10.2. Chemical stability

| | |
|---|---|
| **Stability** | Stable at normal ambient temperatures. |

### 10.3. Possibility of hazardous reactions

| | |
|---|---|
| **Possibility of hazardous reactions** | None known. |

### 10.4. Conditions to avoid

| | |
|---|---|
| **Conditions to avoid** | Avoid excessive heat for prolonged periods of time. |

### 10.5. Incompatible materials

| | |
|---|---|
| **Materials to avoid** | None known. |

### 10.6. Hazardous decomposition products

| | |
|---|---|
| **Hazardous decomposition products** | Fire creates: Carbon monoxide (CO). Carbon dioxide ($CO_2$). |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity - oral**

| | |
|---|---|
| **ATE oral (mg/kg)** | 21,739.13043478 |

| | |
|---|---|
| **Ingestion** | May cause discomfort if swallowed. |
| **Skin contact** | Skin irritation should not occur when used as recommended. |
| **Eye contact** | Vapour or spray in the eyes may cause irritation and smarting. |

# CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

**Toxicity** The product is not believed to present a hazard due to its physical nature.

### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not known.

### 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

**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

# CLEENOL EVOLUTION CONCENTRATED POTWASH DETERGENT

| | |
|---|---|
| **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

| | |
|---|---|
| **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).<br>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.<br>CHIP for everyone HSG228.<br>Approved Classification and Labelling Guide (Sixth edition) L131.<br>Safety Data Sheets for Substances and Preparations |

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

## SECTION 16: Other information

| | |
|---|---|
| **Revision date** | 17/10/2017 |
| **Revision** | 16 |
| **Supersedes date** | 29/09/2017 |
| **SDS number** | N4 (Code No. EV1) |
| **Hazard statements in full** | H225 Highly flammable liquid and vapour.<br>H302 Harmful if swallowed.<br>H312 Harmful in contact with skin.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation.<br>H335 May cause respiratory irritation.<br>H336 May cause drowsiness or dizziness.<br>H400 Very toxic to aquatic life. |

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.