

PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY/UNDERTAKING

Product Identifier

Trade Name: EV4 Antibacterial Potwash Detergent
Concentrate

Product Name: Cleenol Evolution Concentrated Antibacterial pot
Wash Detergent

Product No.: EV4

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Main Use Category: Cleaning agent

Details of the supplier of the safety data sheet

Supplier/Manufacturer: Cleenol Group Ltd
Neville House
Beaumont House
Banbury
Oxon
OX16 1RB
T: +44 (0)1295 251721
F: +44 (0)1295 269561
E: sales@cleenol.co.uk

Emergency Telephone Number: 01295 251721 (9am to 5pm Monday to Friday excluding Bank Holidays). 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.

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (EC 1272/2008)

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

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

Label Elements



Pictogram:

Signal Word:

Danger

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.

Precautionary Statements:

P263	Wash contaminated skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P280	Wear eye protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P310	Immediately call a POISON CENTRE/doctor.
P405	Store locked up.
P510	Dispose of contents/container in accordance with national regulations.

Contains:

BENZALKONIUM CHLORIDE, COCOAMIDE DEA, FATTY ALCOHOL ETHOXYLATE

Supplementary Precautionary Statements:

P363 Wash contaminated clothing before reuse.

P391 Collect Spillage.

Other Hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Cocoamide Dea CAS number: 68603-42-9 Classification Skin Irrit. 2 – H315 Eye Dam. 1 – H318	REACH registration number: 01-2119490100-53-XXXX Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41.	10-30%
Fatty Alcohol Ethoxylate 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.	10-30%
Benzalkonium Chloride CAS number: 68424-85-1 M factor (Acute) = 10 Classification Met. Corr. 1 - H290 Acute Tox. 4 – H312 Skin Corr. 1B – H314 Eye Dam. 1 – H318 Aquatic Acute 1 – H400 Aquatic Chronic – H410	M factor (Chronic) = 1 Classification (67/548/EEC or 1999/45/EC) Xn;R21/22. C;R34. N;R50.	5-10%
Didecyl Dimethylammonium Chloride CAS number: 7173-51-5 M factor (acute) = 10 Classification Met. Corr. 1 – H290 Acute Tox. 4 – H302 Skin Corr. 1B – H314 Eye Dam. 1 – H318 Aquatic Acute 1 – H400	EC number: 230-525-2 Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R22	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. FIRST AID MEASURES

Description of First Aid Measures:

Inhalation:	Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion:	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 any discomfort continues.
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 and get medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Inhalation:	May cause respiratory irritation.
Ingestion:	May cause irritation.
Skin Contact:	May cause skin irritation.
Eye Contact:	May cause eye irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed

Specific Treatments: Seek medical attention if irritation or symptoms persist. Symptomatic treatment.

5. FIRE FIGHTING MEASURES

Extinguishing Media

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

Specific Hazards Arising from the Substance or Mixture

Specific Hazards: Burning may produce irritating, toxic and obnoxious fumes. Oxides of Carbon, Nitrogen and Sulpher.

Advice for Firefighters

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personnel Precautions: Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions

Environmental Precautions: Avoid or minimize the creation of any environmental contamination.

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.

Reference to Other Sections

Reference to Other Sections: See section 3, 8 & 13 for other information.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Usage Precautions: Avoid spilling. Avoid contact with skin and eyes.

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.

Storage Class: Chemical Storage.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Ingredient Comments:

WEL = Workplace Exposure Limits

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Blue. Colourless
Odour:	Characteristic.
pH:	8-10
Initial Boiling Point and Range:	100°C @ 760mm HG
Relative Density:	1.000 @ 20°C
Other Information:	None.

10. STABILITY AND REACTIVITY

Reactivity:	No test data specifically related to reactivity available for this product or its ingredients.
Stability:	Stable at normal ambient temperatures.
Possibility of Hazardous Reactions:	None known.
Conditions to Avoid:	Avoid excessive heat for prolonged periods of time.
Materials to Avoid:	None Known.
Hazardous Decomposition Products:	Fire creates: Carbon Monoxide (CO). Carbon Dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity – Oral

ATE oral (mg/kg) 4,166.66666667

Acute Toxicity – Dermal

ATE dermal (mg/kg) 12,087.91208791

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: Liquid may irritate skin.

Eye Contact: Irritating to Eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment.
Toxicity: The product is not believed to present a hazard due to its physical nature.
Persistence and Degradability: The product is biodegradable.
Bioaccumulative Potential: Not known.
Mobility: The product is soluble in water.
Results of PBT and vPvB assessment: This product does not contain any substances classified as PBT or vPvB.
Other Adverse Effects: None Known.

13. DISPOSAL CONSIDERATION

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

14. TRANSPORT INFORMATION

UN Number

UN No. (ADR/RID): 1760
UN No. (IMDG): 1760
UN No. (ICAO): 1760
UN No. (AND): 1760

UN Proper Shipping Name

Proper Shipping Name (ADR/RID): Corrosive liquid, N.O.S Contains Benzalkonium Chloride
Proper Shipping Name (IMGD): Corrosive Liquid, N.O.S.
Proper Shipping Name (ICAO): Corrosive Liquid, N.O.S.

Proper Shipping Name (ADN): Corrosive Liquid, N.O.S.

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:

Packing Group:

ADR/RID packing group: III
IMDG packing group: III
AND packing group: III
ICAO packing group: III

Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: No.

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)

Transport in Bulk According to Annex II of MARPOL and the IBC Code

15. REGULATORY INFORMATION

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).
Guidance:	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth Edition) L131.
Chemical Safety Assessment:	A chemical safety assessment has been carried out.

16. OTHER INFORMATION

Revision Date:	28/09/2017	
Revision:	12	
Supersedes Date:	11/05/2017	
SDS Number:	N5 (Code No. EV4)	
Risk Phrases in Full:	R21/22	Harmful in contact with skin and if swallowed.
	R22	Harmful if swallowed.
	R34	Causes burns.
	R38	Irritating to skin.
	R41	Risk of serious damage to eyes.
	R50	Very toxic to aquatic organisms.
Hazard Statements in Full:	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.
	H318	Causes serious eye damage.
	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.

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.