

SAFETY DATA SHEET CLEENOL EVOLUTION X2 HEAVY DUTY CLEANER & DEGREASER

 1.1. Product identifier

 Product name
 CLEENOL EVOLUTION X2 HEAVY DUTY CLEANER & DEGREASER

 Container size
 4x325mL

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

 Identified uses
 Cleaning agent. Degreaser. Safe to use where food is processed.

 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

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

1.4. Emergency telephone number

Emergency telephoneIn case of a medical emergency following exposure to a chemical, call NHS Direct in England
or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK only).

SECTION 2: Hazards identification

0.4. Classification of the substance or misture

2.1. Classification of the substa	
Classification (EC 1272/2008)	
Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Not Classified
2.2. Label elements	
Hazard pictograms	
Signal word	Danger
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 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.
Contains	ALCOHOLS, C12-C14, ETHOXYLATED
Detergent labelling	Contains BRONOPOL (INN)

2.3. Other hazards

SECTION 3: Composition/information on ingredients			
3.2. Mixtures			
ALCOHOLS, C12-C14, ETHOX	′LATED		1-5%
CAS number: 68439-50-9	EC number: 500-213-3		
Classification			
Acute Tox. 4 - H302			
Eye Dam. 1 - H318			
Aquatic Chronic 3 - H412			
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			
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	Due to the physical nature of this product, exposure by this route is unlikely.
Ingestion	Give plenty of water to drink. Do not induce vomiting. Get medical attention if a large quantity has been ingested.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water.
Eye contact	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if symptoms are severe or persist after washing.
4.2. Most important symp	toms and effects, both acute and delayed
General information	May produce an allergic reaction.
Inhalation	The product is not believed to present a hazard due to its physical nature.
Ingestion	No adverse effects known. May be harmful if swallowed.
Skin contact	May cause an allergic skin reaction.
Eye contact	May cause serious eye damage.
4.3. Indication of any imm	ediate 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	om the substance or mixture	
Specific hazards	None known.	
Hazardous combustion products	Irritating gases or vapours.	
5.3. Advice for firefighters		
Protective actions during firefighting	Fight fire with normal precautions from a reasonable distance. Avoid breathing fire gases or vapours.	
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.	
SECTION 6: Accidental release	e measures	
6.1. Personal precautions, pro	tective equipment and emergency procedures	
Personal precautions	Avoid contact with eyes and prolonged skin contact. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery.	
6.2. Environmental precaution	<u>s</u>	
Environmental precautions	The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.	
6.3. Methods and material for	containment and cleaning up	
Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Discharge of small quantities to the sewer with plenty of water may be permitted.	
6.4. Reference to other section	ns	
Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.	
SECTION 7: Handling and sto	rage	
7.1. Precautions for safe hand	ling	
Usage precautions	For professional users only. Avoid contact with eyes and prolonged skin contact.	
Advice on general occupational hygiene	Wash contaminated skin thoroughly after handling.	
7.2. Conditions for safe storag	7.2. Conditions for safe storage, including any incompatibilities	
Storage precautions	Keep only in the original container. Keep container tightly sealed when not in use. Store at temperatures between 0°C and 40°C.	
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. Refer to Product Use Guide (PUG) for further information.
SECTION 8: Exposure control	s/Personal protection
8.1. Control parameters	
Ingredient comments	No exposure limits known for ingredient(s).
8.2. Exposure controls	
Protective equipment	
Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	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.
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.
Hygiene measures	Wash contaminated skin thoroughly after handling.
Respiratory protection	No specific requirements are anticipated under normal conditions of use.
SECTION 9: Physical and che	mical properties
9.1. Information on basic phys	ical and chemical properties
Appearance	Opaque liquid.
Colour	Yellow.
Odour	Almost odourless.
рН	pH (concentrated solution): 7.5 - 8.5
Initial boiling point and range	
	100°C
Flash point	100°C Not applicable.
Flash point Relative density	
	Not applicable.
Relative density	Not applicable. 1.015 - 1.020 @ 20°C
Relative density Solubility(ies)	Not applicable. 1.015 - 1.020 @ 20°C Soluble in water.
Relative density Solubility(ies) Auto-ignition temperature	Not applicable. 1.015 - 1.020 @ 20°C Soluble in water. Not applicable.
Relative density Solubility(ies) Auto-ignition temperature Decomposition Temperature	Not applicable. 1.015 - 1.020 @ 20°C Soluble in water. Not applicable. Not determined.
Relative density Solubility(ies) Auto-ignition temperature Decomposition Temperature Viscosity	Not applicable. 1.015 - 1.020 @ 20°C Soluble in water. Not applicable. Not determined. Non-viscous.
Relative density Solubility(ies) Auto-ignition temperature Decomposition Temperature Viscosity Explosive properties	Not applicable. 1.015 - 1.020 @ 20°C Soluble in water. Not applicable. Not determined. Non-viscous. Not considered to be explosive.
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Relative density Solubility(ies) Auto-ignition temperature Decomposition Temperature Viscosity Explosive properties Oxidising properties 9.2. Other information	Not applicable. 1.015 - 1.020 @ 20°C Soluble in water. Not applicable. Not determined. Non-viscous. Not considered to be explosive. Does not meet the criteria for classification as oxidising.

1.1. Reactivity Reactivity 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 Oraditions to avoid 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 material or group of materials is likely to react with the product to produce a hazardous decomposition products Hazardous decomposition products Does not decompose when used and stored as recommended. Products Does not decompose when used and stored as recommended. products Section 11. Toxicological information 11.1. Information on toxicological effects Information or invicological effects Acute toxidity - oral ATE oral (mg/kg) 10,137.88 Serious eye damage/inflation Causes serious eye irritation. Material considerations Pre-existing eye problems. SECTION 12: Ecologicial Information Causes serious	0.1. Reactivity There are no known reactivity hazards associated with this product. 10.2. Chemical stability Stable at normal ambient temperatures and when used as recommended. 10.3. Possibility of hazardous reactions Possibility of hazardous reactions Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur. reactions 10.4. Conditions to avoid There are no known conditions that are likely to result in a hazardous situation. 10.5. Incompatible materials Mo specific material or group of materials is likely to react with the product to produce a hazardous decomposition products 11.1. Information on toxicological information Does not decompose when used and stored as recommended. 21.1.1. Information on toxicological information Information given is based on data of the components and of similar products. Acute toxicity - oral ArtE oral (mg/kg) 10,137.88 Serious eve damage/irritation Causes serious eve irritation. Sector 12. Ecological information Causes serious eve fires in the aquatic environment. Sector 22. Ecological information Causes serious eve irritation. Sector 22. Previsiting eve problems. Sector 22. Ecological information causes serious eve irritation. Sector 22. Previsiting everting evertin	SECTION 10: Stability and reactivity		
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	12.5. Results of PBT and vPvB assessment	Mobility	The product is miscible with water and may spread in water systems.	
12.5. Results of PBT and vPvB assessment				

12.6. Other adverse effectsNone known.Other adverse effectsNone known.SECTION 13: Disposal considerations13.1. Waste treatment methodsGeneral informationDispose of surplus products and those that cannot a contractor.Disposal methodsDispose of waste to licensed waste disposal site in local Waste Disposal Authority.	
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-	accordance with the requirements of the
SECTION 14: Transport information	
General The product is not covered by international regulation (IMDG, IATA, ADR/RID).	ons on the transport of dangerous goods
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	
Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code	
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	

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 (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). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (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). Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).
Guidance	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

A chemical safety assessment has been carried out.

SECTION 16: Other information	
Issued by	Regulatory Chemist
Revision date	20/01/2021
Revision	7
Supersedes date	05/05/2017
SDS number	X2N3
Hazard statements in full	 H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H331 Toxic if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful 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.