

REVISION DATE 15th August 2017 – Revision No. 3

CLEENOL

SAFETY DATA SHEET

CASCADE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name	CASCADE
Part No and Pack Size	031235
Safety Data Sheet No	C11
Identified Uses	Alkaline Chlorine based Powdered detergent for Dish and Glass washing machines
Uses advised against	Cut Glass and aluminium items
Supplier	CLEENOL GROUP LIMITED Neville House, Beaumont Road, Banbury, Oxon OX16 1RB Tel: 01295 251721 FAX: 01295 269561 E Mail: sales@cleenol.co.uk

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Emergency Tel No.

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) H315/H319 EUH031 H412

2.2 Label Elements

Labels in Accordance with (EC) No 1272/2008

Signal word warning**Hazard Statements**

H315 / H319 Causes skin irritation/causes serious eye irritation
 EUH 031 Contact with acids liberates toxic gas
 H302 Harmful if swallowed
 H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

P262 Do not get in eyes, on skin, or on clothing
 P305 / P351 / P338 If in eyes rinse cautiously with water for several minutes
 Remove contact lenses, if present and easy to do. Continue rinsing
 P102 Keep out of reach of children.
 P301 / P330 / P331 If swallowed rinse mouth do not induce vomiting
 P232 Protect from moisture

2.3 Other Hazards

Not Classified as PBT/vPvB by current EU Criteria

Section 3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Mixtures

INGREDIENT	CAS No	EINECS No	Hazard	Range
DISODIUM METASILICATE	6834-92-0	229-912-9	H314 / H335	5-10 %
TRISODIUM ORTHOPHOSPHATE	7601-54-9	231-509-8	H315 /H 319	25-30%
SODIUM CARBONATE	497-19-8	207-838-8	H319	30-60%
SODIUM DICHLOROISOCYANURATE DIHYDRATE	51580-86-0	220-767-7	H315 / H319 / H335	1-3%

Section 4. FIRST AID MEASURES

EYES	Rinse immediately with plenty of water holding eyelids open. Continue to rinse for at least 15 minutes. Get medical advice if effects persist.
SKIN	Skin irritation. Prolonged skin contact may cause redness and irritation
INGESTION	Remove product from mouth. Give the casualty a small amount of water to drink and seek medical advice. DO NOT INDUCE VOMITING.
INHALATION	Move exposed person from source of exposure to fresh air at once. Seek medical advice if effects persist.

In all cases, if symptoms persist, seek medical advice and show this information sheet.

Note for Medical Practitioners : This information is registered with the National Poisons Information Service.

Section 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Substance itself is not a fire hazard. In the event of a fire from other causes the product is compatible with water, carbon dioxide (CO ₂) extinguisher, foam extinguisher, dry powder extinguisher.
FIRE HAZARDS	May evolve toxic fumes if involved in a fire.
PROTECTIVE EQUIPMENT	Fire fighters should wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

Section 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Prevent eye and skin contact. Wear suitable gloves/ eye face protection.
DISPOSAL CONSIDERATIONS	Sweep up and dispose of safely as solid waste. Hose down area with plenty of water. Do not allow product to enter drains/sewers/water courses Dispose of in accordance with local authority regulations

Section 7. HANDLING AND STORAGE

HANDLING	Avoid contact with skin and eyes. Prevent the formation of dust.
STORAGE	Avoid extremes of temperature. Store in original containers. Do not mix with any other chemicals.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

HAND PROTECTION	Use rubber or chemical resistant gloves BS EN 374.
EYE PROTECTION	Personal protection is not normally required unless a risk assessment indicates the need for it.
SKIN PROTECTION	Personal protection is not normally required unless a risk assessment indicates the need for it.
RESPIRATION	Personal protection is not normally required unless a risk assessment indicates the need for it.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Granular Powder
COLOUR	White
ODOUR	Faint Chlorine
SOLUBILITY	Water soluble
INITIAL BOILING POINT	N/A
MELTING POINT	N/A
RELATIVE DENSITY	0-9
pH	10 – 11
FLASH POINT	N/A

Section 10. STABILITY AND REACTIVITY

STABILITY	Keep away from acids. Contact with acids liberates chlorine. Exothermic reaction with acids. Hazardous decomposition products may include chlorine. Provided the product is stored in accordance with the approved guidelines there are no known hazardous decomposition products.
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Section 11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Ingestion	Irritant
Skin Contact	Irritant
Eye Contact	Irritant
Inhalation	Irritant

Section 12. ECOLOGICAL INFORMATION

Ingredients according to EC 648/2004

More than 30% phosphate

Less than 5% chlorine based bleaching agents

The bleaching agents in this product break down rapidly in the environment into harmless substances. When used for its intended purpose, this product should not cause an adverse effect in the environment.

Section 13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION	This product is not classified as hazardous waste under the Special Waste (Amendment) Regulation (SI 1996/2019). For disposal contact a licensed waste management company. Rinse out containers at least twice with water and recycle if facilities exist or dispose of as commercial waste. European waste catalogue : 20 01 29.
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Section 14. TRANSPORT INFORMATION

EEC Regulations:	Not regulated
IMDG/UN:	Not regulated
ADR/RID:	Not regulated
ICAO/IATA:	Not regulated

Section 15. REGULATORY INFORMATION

Risk phrases:	EUH031	Contact with acids liberates toxic gas
	H315/319	Irritating to eyes and skin
Safety Phrases:	H412	Harmful to aquatic organisms, may cause long-term effects in the aquatic environment
	P403	Keep container in well-ventilated place
	P404	Store in a closed container
	P305/351/338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	P308/P313	If exposed or concerned Get medical advice
	P102	Keep out of reach of children
	P264	Wash thoroughly after handling
	P281	Wear suitable gloves
	P273	Avoid release to the environment. Refer to special instructions/safety data sheet

Section 16. OTHER INFORMATION

Handle and apply only as recommended. For full information see the product label. This information is intended to describe the product in terms of health and safety and environmental requirements for the purpose of safe handling. This information does not comprise a performance or technical specification. Users are responsible for safe working. See regulation 6 of Control of Substances Hazardous to Health Regulations.

Text of risk phrases associated with ingredients listed in Section 2.

H302	Harmful if swallowed
EUH031	Contact with acid liberates toxic gas
H314	Causes Burns
H319	Irritating to eyes
H319/332	Irritating to eyes and respiratory system
H319/312	Irritating to eyes and skin
H412	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

FURTHER INFORMATION

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.

All Cleenol containers are recyclable and we would be pleased to provide relevant information about individual packs, and recycling agencies.

Information contained in this Safety Data Sheet is accurate to the best knowledge of Cleenol Group Ltd.

Because of our continuing desire to incorporate technical improvements and innovations, and in view of the possibility of the occasional need to substitute certain materials, Cleenol reserve the right to alter specifications without notice.

Unless otherwise stated, it is recommended that this product is used within 12 months of purchase.