



SAFETY DATA SHEET
From Cleenol Group Limited

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CLEENOL HI-POWER EFFERVESCENT CHLORINE TABLETS

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name	CLEENOL HI-POWER EFFERVESCENT CHLORINE TABLETS
Part No and Pack Size	0625CHL (x200)
Safety Data Sheet No	P7
Supplier	CLEENOL GROUP LIMITED Neville House, Beaumont Road, Banbury, Oxon OX16 1RB
Main and Emergency Tel No.	01295 251721 (9.00 a.m. – 5.00 p.m. Mon - Fri)

2. HAZARDS IDENTIFICATION

Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification (1999/45/EEC) Xn;R22 Xi; R36/37 N50/53 R31

Please note, the hazard classifications below refer to the neat tablet. The dilutions are not classified.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	EC No	CAS No	SYMBOL	RISK NUMBER	CONTENTS
ADIPIC ACID	204-673-3	124-04-9	Xi	R36	10-30%
SODIUM CARBONATE	207-838-8	497-19-8	Xi	R36	1-5%
TROCLOSENE SODIUM	220-767-7	2893-78-9	E, O, Xn, Xi, N	R2, R8, R22, R31, R36/37, R31, R50/53	30-60%

The full text for all R-phrases is shown in Section 16.

4. FIRST AID MEASURES

EYES	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash out eyes with plenty of cold water whilst lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
SKIN	Skin irritation is not anticipated when used normally. In the event of irritation, remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
INGESTION	Do not induce vomiting. Never make an unconscious person vomit or drink fluids. Drink plenty of water. Seek immediate medical attention. Provide rest, warmth and fresh air.
INHALATION	Remove to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

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.

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5. FIRE FIGHTING MEASURES

FIRE OR EXPLOSION HAZARDS	This product is not flammable.
EXTINGUISHING MEDIA	Use water spray, dry powder or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES	Use air supplied respirators to protect against gases / fumes. Dike and collect extinguishing water.
UNUSUAL FIRE & EXPLOSION HAZARDS	Fire causes formation of toxic gases. Decomposes above 250°C with release of chlorine and other toxic fumes.
SPECIFIC HAZARDS	In case of fire, toxic gases may be formed (CO _x , NO _x). Fire or high temperatures create very corrosive gases/vapours/fumes of chlorine. Hydrogen chloride (HCl).
PROTECTIVE MEASURES	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Use protective gloves, goggles and suitable protective clothing. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
SPILL CLEAN UP METHODS	Collect in containers and seal securely. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Avoid generation and spreading of dust. Flush with plenty of water to clean spillage area. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Do not close drums containing wet or damp material.
PROTECTION OF ENVIRONMENT	Not relevant considering the small amounts used. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS	Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using this product. Observe good chemical hygiene practices. Avoid inhalation of vapours/spray and contact with skin and eyes. Provide good ventilation. Container must be tightly closed. Protect against direct sunlight. Follow instructions and ensure correct dilution of this product before use.
STORAGE PRECAUTIONS	Store in tightly closed original container in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES	No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.
VENTILATION	No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.
RESPIRATORY EQUIPMENT	No specific recommendation made but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
PROTECTIVE GLOVES	For prolonged or repeated skin contact, wear suitable protective gloves
EYE PROTECTION	If risk of splashing, wear safety goggles or face shield.
OTHER PROTECTION	Wear appropriate clothing to prevent any possibility of liquid contact or prolonged vapour contact.
ENVIRONMENTAL EXPOSURE CONTROLS	Do not allow undiluted product to enter drains.



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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White flat tablet
ODOUR	Characteristic
SOLUBILITY IN WATER	Soluble
DECOMPOSITION TEMPERATURE	240°C
MELTING POINT	N/A

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
MATERIALS TO AVOID	Flammable / combustible material. Organic materials, oils, grease, sawdust, reducing agents, nitrogen-containing compounds, oxidizing substances, acids and alkalis, damp or slightly wet conditions (NaDCC may generate nitrogen trichloride which is explosive).
CONDITIONS TO AVOID	Avoid contact with acids and oxidising substances. Avoid exposure to high temperatures or direct sunlight. Avoid contact with strong reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Fire creates hydrogen chloride (HCl). Hydrogen cyanide (HCN). In case of fire, toxic gases (CO, CO ₂ , NOX) may be formed.

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE	1 – LD 50 992 mg/kg (oral-mouse)
TOXICOLOGICAL INFORMATION	Toxicological information of the active ingredient troclosen sodium
EYE CONTACT	Irritating to eyes.
SKIN CONTACT	Skin irritation is not anticipated when used normally.
INGESTION	Harmful if swallowed.
INHALATION	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
ROUTE OF ENTRY	Inhalation, ingestion, skin and / or eye contact.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS	EC 50, 48 Hrs. DAPHNIA mg/l <1 mg NaDCC
DEGRADABILITY	The product is expected to be biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Dispose of via reputable contractor and in accordance with local authority regulations.
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14. TRANSPORT INFORMATION

PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS (TROCLOSENE SODIUM)
ROAD TRANSPORT NOTES	Product transported in Limited Quantities
UN No	3077
ADR CLASS NO	9
ADR CLASS	Class 9 : Miscellaneous dangerous substances and articles
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(E)
HAZARD NO (ADR)	90

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ADR LABEL NO	9
HAZCHEM CODE	2Z
UN NO SEA	3077
IMDG CLASS	9
IMDG PACK GR.	III
EMS	F-A, S-F
UN NO AIR	3077
AIR CLASS	9
AIR PACK GR.	III

15. REGULATORY INFORMATION



LABEL FOR SUPPLY

Harmful Dangerous for
the environment

(Please note - diluted form is not classified)

RISK PHRASES	R22	Harmful if swallowed.
	R36/37	Irritating to eyes and respiratory system.
	R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
SAFETY PHRASES	S2	Keep out of reach of children
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S46	If swallowed, seek medical advice immediately and show this container or label
	S51	Use only in well-ventilated areas.
	S56	Dispose of this material and its container to hazardous or special waste collection point.

STATUTORY INSTRUMENTS Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

16. OTHER INFORMATION

RISK PHRASES - FULL TEXT

R8	Contact with combustible material may cause fire
R22	Harmful if swallowed
R31	Contact with acids liberates toxic gas
R36	Irritating to eyes
R37	Irritating to respiratory system
R50	Very toxic to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment.

INFORMATION SOURCES Approved Supply List - HSC
Material Safety Data Sheet - Misc. manufacturers

REVISION COMMENTS Revised in accordance with Chemical (Hazard Information and Packaging) Regulations

REVISION DATE 23rd January 2013 – Revision No 6

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.

Reviewed by the Technical Director : 23rd January 2013

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.