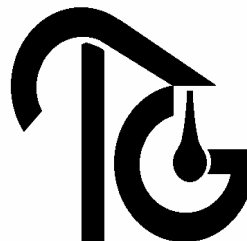


TENNANTS DISTRIBUTION LIMITED

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PRODUCT DATA SHEET

(This booklet incorporates the Specification and M.S.D.S.)

PRODUCT	HTH CALCIUM HYPOCHLORITE TABLETS	
CAS NO.	7778-54-3	
TARIFF NO.		
U.N NO.	1748	
EINECS NO.	231-908-7	
IMCO CLASS		
HAZARDS	OXIDISING, CORROSIVE AND DANGEROUS FOR THE ENVIRONMENT	
SPECIFICATION REFERENCE	AR/41/2	DATE NOV 99
REFERENCE NO.	HTCAHYTA/1	DATE JUL 02
PREVIOUS EDITION.		DATE

PRODUCT SPECIFICATION

Product Name	HTH Calcium Hypochlorite Tablets
Alternative Name	
Product Grade	

SALES SPECIFICATION

Chemical Formula	Ca(OCl) ₂
Molecular Weight	143
Appearance	White to off white tablet or briquette
Tablet/Briquette Weight	7 gm (Nominal)
Available Chlorine %	65 minimum

NOTES

Exclusion of Liability

Information contained in this publication is accurate to the best of the knowledge and belief of Tennants.

Any information or advice obtained from Tennants otherwise than by means of this publication and whether relating to Tennants materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that Tennants materials are suitable for the particular purpose intended.

Tennants accepts no liability whatsoever (except as otherwise provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of Tennants materials or the use of Tennants materials in conjunction with such other materials.

Health and Safety

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on the handling precautions and emergency procedures. This must be consulted fully before handling, storage and use.

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product:	Calcium Hypochlorite Tablets	
COMPANY:	TENNANTS DISTRIBUTION LIMITED	
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	Manchester	Essex
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	Emergency Tel No.	01865 407333

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Calcium Hypochlorite
CAS No.	7778-54-3
EINECS No.	230-908-7
Classification	O, C, N: R8, 22, 31, 34, 50

3. HAZARDS IDENTIFICATION

Main Hazards	Oxidiser. Corrosive to skin and eyes. Contact with acids liberates toxic chlorine gas. Harmful if swallowed. Very toxic to aquatic organisms
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4. FIRST AID MEASURES

First Aid – Eyes	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention
First Aid – Skin	Drench the skin with plenty of water. Remove contaminated clothing and wash before re-use. If large areas of the skin is damaged or if irritation persists, seek medical attention
First Aid – Ingestion	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. Seek immediate medical attention
First Aid – Inhalation	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention
Immediate Treatment/Antidote	Symptomatic treatment

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water spray, carbon dioxide
Unsuitable Extinguishing Media	Dry powder extinguishers containing ammonium compounds
Hazardous Combustion Products	Chlorine
Special Equipment For Fire Fighters	Self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate PPE – See Section 8
Environmental Precautions	Do not allow material to contaminate surface or ground waters. Inform authorities of any release to surface or ground waters. Avoid generation of dusts
Measures For Clean Up	Carefully sweep up material and place in cleaned labelled containers for re-use or waste disposal. Do not return spilt material to original container

7. HANDLING AND STORAGE

Handling	
Ventilation	Good general ventilation
Recommended Procedures/Equipment	Avoid contact with skin and eyes. Do not breathe dust
Storage	
Conditions	Cool and dry
Keep Away From	See Section 10
Suitable Storage Media	Plastic containers, suitably lined mild steel

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits	10mg/m ³ , total; 4mg/m ³ , respirable: 8h TWA EH40 Guidance
Monitoring Method	Dust monitoring
Protective Measures	
Respiratory	Type approved RPE for Chlorine and dusts
Hand	PVC or neoprene gloves
Eye	Goggles
Skin	Overalls and boots
Hygiene Measures	Always wash thoroughly after handling chemicals

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	White tablets
Odour	Chlorine like
pH Value	10.5 – 11.5 (1% solution)
Oxidising Properties	Oxidising agent
Solubility In Water	Ca. 18%, but contains calcium hydroxide and calcium carbonate insoluble residues
Decomposition Temperature	177°C
10. STABILITY AND REACTIVITY	
Known Hazardous Reactions	Contact with acids liberates toxic gas
Conditions To Avoid	High temperatures
Materials To Avoid	Acids; organic materials; nitrogen containing compounds; corrosive materials; combustible materials
Hazardous Decomposition Products	Chlorine
11. TOXICOLOGICAL INFORMATION	
Effects	Corrosive to skin and mucous membranes. Inhalation may result in pulmonary oedema; high concentrations may cause permanent lung damage. Contact with eyes may result in permanent eye damage. Prolonged skin contact may cause skin destruction with impaired skin regeneration.
LD50	Ingestion can result in ulceration LD50 850 mg/k Oral, Rat LD50 >2 g/kg Skin, Rabbit
12. ECOLOGICAL INFORMATION	
Mobility	Soluble in water liberating hypochlorous acid
Aquatic Toxicity	LC50 Bluegills, 0.88 mg/l
13. DISPOSAL CONSIDERATIONS	
Product Disposal	Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations
Container	As substance
14. TRANSPORT INFORMATION	
UN Number	1748
Primary Hazard	Oxidiser
Packing Group	II
H I Number	50
Class/Item No.	5.1 15°(b)
Emergency Action Code	2 W E
15. REGULATORY INFORMATION	
Labelling Information	Oxidising, Corrosive and Dangerous for the Environment
R phrases	R8 Contact with combustible material may cause fire R22 Harmful if swallowed R31 Contact with acids liberates toxic gas R34 Causes burns R50 Very toxic to aquatic organisms
S phrases	S1/2 Keep locked up and out of the reach of children S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S26/37/39 Wear suitable protective clothing, gloves and eye/face protection S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) S61 Avoid release to the environment. Refer to special instructions/Safety Data Sheets
16. OTHER INFORMATION	