

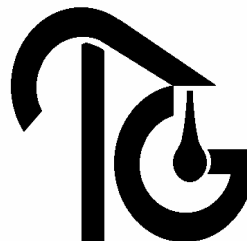
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PRODUCT DATA SHEET

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

PRODUCT	CALCIUM HYPOCHLORITE TABLETS	
CAS NO.	7778-54-3	
TARIFF NO.		
U.N NO.	1748	
EINECS NO.	231-908-7	
IMCO CLASS		
HAZARDS	OXIDISING, CORROSIVE, DANGEROUS FOR THE ENVIRONMENT	
SPECIFICATION REFERENCE	CAHYTA/1	DATE FEB 01
REFERENCE NO.	CAHYTA/2	DATE JAN 02
PREVIOUS EDITION.	CAHYTA/1	DATE FEB 01

PRODUCT SPECIFICATION

Product Name Calcium Hypochlorite Tablets
 Alternative Name
 Product Grade

SALES SPECIFICATION

Chemical Properties	Minimum	Maximum
Available Chlorine	65.0%	
Iron as Fe		0.05%
Oxides of heavy metals plus A1203		0.5%
Water	4.0%	8.5%
Loss of Available Chlorine on Heating	-	10.0%
Physical Properties		
Tablet (Briquette) weight, grams	6.5	7.5
Tablet (Briquette) dimensions, inches	Approx 1¼"x ¾"x ½"	
Average Bulk Density, loose	75 lbs/cu ft	80 lbs/cu ft
Average Bulk Density, packed	80 lbs/cu ft	83 lbs/cu ft

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	
	Hazelbottom Road	Botany Way
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Calcium Hypochlorite
Classification	O, C, N: Risk Phrases 22, 31, 34, 50
CAS No.:	7778-54-3
EINECS No.:	231-908-7

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	High concentrations can result in permanent lung damage. Remove from exposure, rest and keep warm. In sever 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
Special Hazards of Product	Dry powder extinguishers containing ammonium compounds
Hazardous Combustion Products	Chlorine
Protective Equipment for Fire Fighting	Self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Safety 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
Clean Up Procedure	Carefully sweep up material and placed in clean labelled containers for re-use or waste disposal. Do not return spilt material to original containers

7. HANDLING AND STORAGE

Handling	Ventilation: Good general ventilation Avoid contact with skin and eyes. Do not breathe dust
Storage	Temperature range: Cool Humidity range: 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
Respiratory Protection	Type approved RPE for Chlorine and dusts
Hand Protection	PVC or Neoprene gloves
Eye Protection	Goggles
Skin Protection	Overalls and boots
Hygiene Measures	Always wash thoroughly after handling chemicals

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	White tablets
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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	
Acute Toxicity	LD50 850 mg/k oral, rat >2g/kg skin, rabbit
Inhalation	Corrosive to skin, eyes and mucous membranes Inhalation may result in pulmonary oedema, high concentrations may cause permanent lung damage
Eyes	Contact with eyes may result in permanent eye damage
Skin	Prolonged skin contact may cause skin destruction with impaired skin regeneration
Ingestion	Ingestion can result in ulceration
12. ECOLOGICAL INFORMATION	
Mobility	Solubility in water liberating hypochlorous acid
Aquatic Toxicity	LC50 bluegills, 0.088 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
14. TRANSPORT INFORMATION	
UK Transport Information	
UN No.	1748
Class/Item No.	5.1, 15 ^o (b)
Primary Hazard	Oxidiser
Packing Group	II
H.I. Number	50
Emergency Action Code	2 W E
15. REGULATORY INFORMATION	
Labelling Information	Calcium Hypochlorite % AV Chlorine
Symbols	Oxidising, Corrosive & Dangerous For The Environment
R phrases	R8: Contact with combustible materials may cause fire. R22: Harmful if swallowed R31: Contact with acids liberates toxic gases 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 S36/37/39: 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) S45: Avoid release to the environment S61: Refer to special instructions/safety data sheet
E C No.	231-908-7
16. OTHER INFORMATION	