

SAFETY DATA SHEET

CALCIUM CHLORIDE (PELLETS)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT NAME	CALCIUM CHLORIDE (PELLETS)
1.2 APPLICATION	Additive
1.3 SUPPLIER	Supplier : Abdullah Al-Khrinej Gen. Trad. & Cont. Co. W.L.L. Mangaf Block 1, Street 101 Al-Khrinej Building 23, Ground Floor PO Box: 47465 Fahaheel 64025 Kuwait Tel: (965) 23926509 (965) 97489456 E-Mail: info@agtc-kwt.com

2 HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Acute Oral Toxicity	Category 5 - H303
Skin Corrosion / Irritation	Category 3 - H316
Serious Eye Damage / Eye Irritation	Category 2A - H319

2.2 LABEL ELEMENT



Signal Word	Warning
Hazard Statement	H303 - May be harmful if swallowed H316 - Causes mild skin irritation H320 - Causes mild eye irritation
Precautionary Statement	
Prevention	P264 - Wash face, hands and any exposed skin thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection
Response	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P312 - Call a POISON CENTER or doctor/physician if you feel unwell P332 + P313 - If skin irritation occurs: Get medical advice/attention
Storage	None

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Disposal None

2.3 OTHER INFORMATION

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	Content	Classification
Calcium chloride	10043-52-4	60 - 100%	Acute Tox. 5 (H303), Skin Irrit. 3 (H316) Eye Irrit. 2B (H320)

4 FIRST-AID MEASURES

4.1 INHALATION

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

4.2 INGESTION

Do not induce vomiting. Give nothing by mouth. Obtain immediate medical attention

4.3 SKIN CONTACT

Wash with soap and water. Get medical attention if irritation persists.

4.4 EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15minutes and get medical attention immediately after flushing.

Most important symptoms and effects, both acute and delayed

Causes eye irritation Causes mild skin irritation. May be harmful if swallowed

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically

5 FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

All standard fire fighting media

5.2 PROTECTIVE MEASURES IN FIRE

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel

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6 ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS

Use appropriate protective equipment. Avoid contact with skin, eyes and clothing. Avoid creating and breathing dust. Ensure adequate ventilation

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent from entering sewers, waterways, or low areas.

6.3 SPILL CLEAN UP METHODS

Scoop up and remove.

6.4 ADDITIONAL INFORMATION

Ref. Section 8 and 13

7 HANDLING AND STORAGE

7.1 USAGE PRECAUTIONS

Use appropriate protective equipment. Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Ensure adequate ventilation. Wash hands after use. Launder contaminated clothing before reuse

7.2 STORAGE PRECAUTIONS

Store in a cool, dry location.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

8.1 PROTECTIVE EQUIPMENT



Safety Glasses



Disposable Dust Mask



Work Gloves



Coverall

8.2 ENGINEERING MEASURES

Use in a well ventilated area

8.3 RESPIRATORY EQUIPMENT

Not normally needed. But if significant exposures are possible then the following respirator is recommended: Dust/mist respirator. (N95, P2/P3)

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8.4 HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Rubber or plastic.

8.5 EYE PROTECTION

Wear safety glasses or goggles to protect against exposure.

8.6 OTHER PROTECTION

None known

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE	Solid
9.2 COLOUR	White
9.3 ODOUR	Odorless
9.4 SOLUBILITY	Soluble in water
9.5 MOLECULAR WEIGHT (g/mole)	110.986
9.7 SPECIFIC GRAVITY	2.15
9.8 pH	10

10 STABILITY AND REACTIVITY

10.1 STABILITY

Stable under normal temperature conditions and recommended use.

10.2 CONDITIONS TO AVOID

None

10.3 INCOMPATIBLE MATERIAL

None

10.4 HAZARDOUS DECOMPOSITION PRODUCTS

None

11 TOXICOLOGICAL INFORMATION

11.1 INHALATION

May cause mild respiratory irritation.

11.2 INGESTION

May be harmful if swallowed. Irritation of the mouth, throat, and stomach

11.3 SKIN CONTACT

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Causes mild skin irritation.

11.4 EYE CONTACT

Causes eye irritation

11.5 TOXICOLOGICAL INFORMATION

Acute toxicity of product is low. The value of DL 50 mg/kg study with animals:

1000-4000 oral, rat

1940 oral, mouse

1384 oral, rabbit

LOCAL EFFECTS: Eye, mucous membrane and skin irritant.

HEALTH EFFECTS: Moderately toxic by ingestion, slightly toxic by dermal absorption.

CARCINOGENICITY: Not Listed by NTP. Not listed by IARC. Not listed by OSHA.

MUTAGENICITY: Not Available

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: testing does not appear necessary as calcium chloride will not reach the foetus or the male and female reproductive organs when exposed orally, dermally or by inhalation, as it does not become available systemically.

TERATOGENIC EFFECTS: Not Available

SENSITIZATION: Not Available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Calcium chloride is not classified as hazardous for the environment. Calcium and chloride are normally occurring ions that don't have long term negative effect.

Toxicity to Algae	Toxicity to Fish	Toxicity to Invertebrates
ErC50 (72h) 2900 mg/L (Pseudokirchnerella subcapitata)	LC50 (96h) 4630 mg/L (Pimephales promelas)	EC50 (48h) 2400 mg/L (Daphnia magna) EC50 (21d)
ErC50 (72h) 4000 mg/L (Pseudokirchnerella subcapitata)	LC50 (48h) >6560 mg/L (Pimephales promelas)	610 mg/L (reproduction) (Daphnia magna)
	LC50 (24h) >6660 mg/L (Pimephales promelas)	

13 DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) Not Regulated

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15 REGULATORY INFORMATION

This SDS was prepared in accordance with United Nations "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)".

16 OTHER INFORMATION

16.1 GENERAL INFORMATION

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy; reliability; or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.

16.2 REVISION DATE

Not Applicable

16.4 ADDITIONAL INFORMATION

For any additional information on this product, contact Abdullah Al-Khrinej Gen. Trad. & Cont. Co. W.L.L. (AGTC) representative.

DISCLAIMER

While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.

End of Safety Data Sheet