

REVISION DATE: 14.10.2010



SAFETY DATA SHEET

Calcium Chloride Anhydrous

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

PRODUCT NAME	Calcium Chloride Anhydrous
SUPPLIER	Univar Aquarius House 6 Midpoint Business Park Thornbury Bradford BD3 7AY +44 1274 267300 +44 1274 267306 sds@univareurope.com
SYNONYMS, TRADE NAMES	Briners Choice
APPLICATION	Agriculture Food industry
Emergency Contact Number (Office Hours)	+44 1274 267346
Emergency Contact Number (Outside Office Hours)	+441865 407333
SDS No.	10522

2 HAZARDS IDENTIFICATION

Irritating to eyes.

CLASSIFICATION (1999/45) Xi;R36.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
CALCIUM CHLORIDE	233-140-8	10043-52-4	50-100%	Xi;R36

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

INGESTION

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Never give liquid to an unconscious person. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

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PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. In case of spills, beware of slippery floors and surfaces.

ENVIRONMENTAL PRECAUTIONS

Avoid spreading dust or contaminated materials. Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Keep containers tightly closed. Keep in original container. Protect from moisture.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Neoprene gloves are recommended. PVC gloves are recommended. Nitrile gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

HYGIENE MEASURES

Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid Pellets Powder, dust Flakes		
COLOUR	White		
ODOUR	Odourless		
SOLUBILITY	Soluble in water.		
MELTING POINT (°C)	772	BULK DENSITY	830 - 930 kg/m3

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use. The substance is hygroscopic and will absorb water by contact with the moisture in the air.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

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HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong acids. In contact with metals generates hydrogen gas, which together with air can form explosive mixtures.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 900 - 2100 mg/kg (oral rat)

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Slightly irritating.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be toxic to aquatic organisms.

LC 50, 96 Hrs, FISH mg/l >5000

EC 50, 48 Hrs, DAPHNIA, mg/l 759 - 3005

IC 50, 72 Hrs, ALGAE, mg/l >1000

MOBILITY

The product is soluble in water.

BIOACCUMULATION

The product is not bioaccumulating.

WATER HAZARD CLASSIFICATION

WGK 1

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

R36 Irritating to eyes.

SAFETY PHRASES

S25 Avoid contact with eyes.

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S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S60	This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

CHIP for everyone HSG(108).

16 OTHER INFORMATION**REVISION COMMENTS**

NOTE: Lines within the margin indicate significant changes from the previous revision.

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REV. NO./REPL. SDS	01
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GENERATED

SDS NO.	10522
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SAFETY DATA SHEET STATUS

Approved.

DATE	14.10.2010
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SIGNATURE	Jitendra Panchal
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RISK PHRASES IN FULL

R36	Irritating to eyes.
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