FLINN SCIENTIFIC

SDS #: 196
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Calcium Chloride Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Calcium Chloride

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
Chemtrec Emergency Phone Number: (800) 424-9561
Signal Word
WARNING
SECTION 2 — HAZARDS IDENTIFICATION
Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).

Hazard class: Eye irritation Category 2A). Causes serious eye irritation (H319).

Pictograms

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Calcium chloride, anhydrous	10043-52-4	$CaCl_2$	110.98	

SECTION 4 — FIRST AID MEASURES
Call a POISON CENTER or physician if you feel unwell.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).
If on skin: Rinse cautiously with water for several minutes (P351).
If swallowed: Rinse mouth. Contact a POISON CENTER or physician if you feel unwell.
SECTION 5 — FIRE FIGHTING MEASURES
Nonflammable, noncombustible solid.
When heated to decomposition, may emit toxic fumes.
In case of fire: Use a tri-class dry chemical fire extinguisher.
NFPA Code
None established
SECTION 6 — ACCIDENTAL RELEASE MEASURES
Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.
SECTION 7 — HANDLING AND STORAGE
Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates. Store in a cool, dry place. Hygroscopic. Store in Flinn Chem-Saf™ bag.
SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION
Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).
SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES
White powder, crystals, or flakes. Odorless.
Soluble: Water and alcohol. Liberates heat in water.

Boiling point: 1670 °C
Melting point: 772 °C
Specific gravity: 2.15

SECTION 10 — STABILITY AND REACTIVITY
Avoid contact with strong acids.
Shelf life: Fair to poor, hygroscopic. See Section 7 for further information.
SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant.
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD_{50}: 1000 mg/kg
IHL-RAT LC_{50}: N.A.
SKN-RBT LD_{50}: N.A.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.
Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (233-140-8).

SECTION 16 — OTHER INFORMATION

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N.A. = Not available, not all health aspects of this substance have been fully investigated.
N/A = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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