



# SAFETY DATA SHEET

ProChemOnline.com



## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Scandium (III) Carbonate Hydrate**

PRODUCT NO: 3125

CAS NO: 5809-49-4

SYNONYMS: Carbonic acid scandium salt (3:2)

### MANUFACTURER:

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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance according to the GHS

### HMS CLASSIFICATION:

Health: 1 Flammability: 1 Reactivity: 1

### NFPA RATING:

Health: 1 Fire: 1 Reactivity Hazard: 1

**EYE CONTACT:** May cause slight to mild irritation of the eyes.

**SKIN CONTACT:** May cause slight to mild irritation of the skin.

**INHALATION:** May be irritating to the nose, mucous membranes, and respiratory tract.

**INGESTION:** Ingestion may lead to dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, and convulsions.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula:  $\text{Sc}_2(\text{CO}_3)_3 \cdot \text{XH}_2\text{O}$

Molecular Weight: 269.96 (anhy.)

CHEMICAL NAME	CAS#	%
Scandium (III) Carbonate Hydrate	5809-49-4	100

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

## SECTION 4 FIRST AID MEASURES (Cont.)

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** None

**EXTINGUISHING MEDIUM:** Carbon dioxide, extinguishing powder, or water spray. Fight large fires with water spray.

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Carbon oxides and scandium oxide

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

**ENVIRONMENTAL PRECAUTIONS:** Do not let enter drains.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Mix spills with powdered sodium carbonate or ground limestone. Sweep up and place in suitable container for proper disposal.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Ensure adequate ventilation. Wear personal protective equipment.

**CONDITIONS FOR SAFE STORAGE:** Store in a cool, dry, and well-ventilated area. Store away from moisture.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** Respirator selection should be based on anticipated exposure levels.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** White powder

**ODOR:** None

**MOLECULAR WEIGHT:** 269.96 (anh.)

**MELTING POINT:** No data available

**BOILING POINT:** No data available

**SPECIFIC GRAVITY:** No data available

**VAPOR PRESSURE:** No data

**SOLUBILITY IN WATER:** Soluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Strong acids

**INCOMPATIBILITY:** Mineral acids

**DECOMPOSITION PRODUCTS:** Carbon oxides and scandium oxide

## **SECTION 11 TOXICOLOGICAL DATA**

**RTECS DATA:** No data

**CARCINOGENIC EFFECTS:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

**MUTAGENIC EFFECTS:** No data

**TETRATOGENIC EFFECTS:** No data

**TOXICITY DATA:** No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## **SECTION 12 ECOLOGICAL DATA**

No information available

## **SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose of in according to local, state, and federal regulations.

## **SECTION 14 TRANSPORTATION DATA**

Non-hazardous material

## **SECTION 15 REGULATORY INFORMATION**

**TSCA:** Listed in the TSCA Inventory

**OSHA HAZARDS:** None known

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA (TITLE 313):** Title compound not listed

## **SECTION 16 OTHER INFORMATION**

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**DATE PREPARED:** 02/15

**SDS DEPT.**