

# MATERIAL SAFETY DATA SHEET

Manufacturer: ProChem Inc.  
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Rockford IL 61109

CUSTOMER SERVICE: (800) 795-8788  
CHEMTREC (EMERGENCY ONLY): (800) 424-9300  
POISON CENTER: (800) 562-8236

## SECTION 1 Product Identification

**CHEMICAL NAME:** Samarium (III) acetylacetonatehydrate (99.9%-Sm) (REO)

**CAS REGISTRY NUMBER:** 14589-42-5

**FORMULA:** Sm(CH<sub>3</sub>COCHCOCH<sub>3</sub>)<sub>3</sub>.XH<sub>2</sub>O

**EINECS NUMBER:** none

**CHEMICAL FAMILY:** metal beta-diketonate complexes

**SYNONYM:** Tris(2,4-pentanedionato)samarium (III) hydrate

## SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	14589-42-5	100	no data	no data

## SECTION 3 Hazards Identification

**EMERGENCY OVERVIEW:** Irritating to skin, eyes and respiratory tract.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion, Inhalation of dust.

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

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

**INHALATION:** Irritating to the nose, mucous membranes and respiratory tract.

**INGESTION:** No information on the physiological effects of ingestion.

**ACUTE HEALTH EFFECTS:** Irritating to skin, eyes and respiratory tract.

**CHRONIC HEALTH EFFECTS:** No information available on long-term chronic effects.

**NTP:** No

**IARC:** No

**OSHA:** No

## SECTION 4 First Aid Measures

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.

**SKIN EXPOSURE:** Wash the affected area with soap and 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 in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious).

## SECTION 5 Fire Fighting Measures

**FLASH POINT:** not applicable

**AUTOIGNITION TEMPERATURE:** none

**EXPLOSION LIMITS:** none

**EXTINGUISHING MEDIUM:** carbon dioxide, dry powder or foam

**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.