

# MATERIAL SAFETY DATA SHEET

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

## SECTION 1 Product Identification

**CHEMICAL NAME:** Potassium hexacyanoruthenate (II) hydrate

**CAS REGISTRY NUMBER:** 15002-31-0

**FORMULA:** K<sub>4</sub>Ru(CN)<sub>6</sub>.XH<sub>2</sub>O

**EINECS NUMBER:** 239-097-1

**CHEMICAL FAMILY:** metal cyano complex

**SYNONYM:** Potassium ruthenocyanide, Ruthenate(4-), hexakis(cyano-C)-, tetrapotassium

## SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	15002-31-0	100	no data	no data

## SECTION 3 Hazards Identification

**EMERGENCY OVERVIEW:** Irritating to the respiratory tract, skin and eyes. May be harmful if swallowed.

**PRIMARY ROUTES OF EXPOSURE:** Ingestion, eyes

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

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

**INHALATION:** Irritating to skin, eyes and respiratory tract.

**INGESTION:** Ingestion may lead to dizziness, abdominal cramps, and vomiting.

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

**CHRONIC HEALTH EFFECTS:** The toxicological properties of this compound have not been thoroughly investigated. Unrecognized hazards may be present.

**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 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). Induce vomiting only if directed by medical personnel.