



Section 1 - Chemical Product and Company Identification

Product Name Potassium Thiocyanate pure, 97%
Product Code 48218
CAS No 333-20-0
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
333-20-0	Potassium thiocyanate	<=100	206-370-1

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects

Eye: Causes redness and pain.
Skin: May cause skin irritation. Harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. May cause headache. May cause nausea and vomiting.
Inhalation: Harmful if inhaled. May cause respiratory tract irritation. Prolonged exposure may result in dizziness and general weakness.

Chronic:

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.
Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire

Section 6 - Accidental Release Measures



Product Code 48218

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: **Room temperature.** Store in a tightly closed container. Keep away from acids. Store protected from moisture.

Section 8 - Exposure Control / Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 333-20-0: United States OSHA: 5 mg/m³ TWA (Cyanide anion).
Germany: (cyanide anion): skin notation
Netherlands: (cyanide anion): 5 mg/m³ MAC (as CN)

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Molecular Formula: KSCN
Molecular Weight: 97.18
Melting point: 173 °C (343 °F) - lit
Boiling point: 500°C

Section 10 - Stability and Reactivity

Chemical Stability: Moisture sensitive. Light sensitive.

Conditions to Avoid: Incompatible materials, light, exposure to moist air or water.

Incompatibilities with Other Materials
Hazardous Strong oxidizing agents, acids, strong bases.

Decomposition Products Hydrogen cyanide, carbon monoxide, oxides of nitrogen, oxides of sulfur, carbon dioxide, cyanide fumes, oxides of potassium.

Hazardous Polymerization Will not occur.

Section 11 - Toxicological Information



Product Code 48218

RTECS#: CAS# 333-20-0: XL1925000

LD50/LC50: RTECS:

CAS# 333-20-0: Oral, mouse: LD50 = 594 mg/kg;

Oral, mouse: LD50 = 590 mg/kg;

Oral, rat: LD50 = 854 mg/kg;

Other: Oral human LDlo = 80mg/kg

Carcinogenicity: Potassium thiocyanate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: >100 mg/L; 96H; LC50

Fish: Pimephals prome: >100 mg/L; 6H; LC50

Daphnia: Daphnia: 11 mg/L; 48H; EC0

Algae: >100 mg/L; ; IC0

Bacteria: Pseudomonas putida: 8000 mg/L; EC10

Other: Biodegradable. Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

IATA

IMO

RID/ADR

Shipping Name:

Not regulated for transport

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.