



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
COLUMBUS, WISCONSIN 53925-0008
(920) 623-2140
FAX (920) 623-2577

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Potassium Thiocyanate, 0.100N Solution

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

1 (920) 623-2140

Date Prepared

07-19-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Potassium Thiocyanate, 333-20-0, Not established, Not established, Not established, 1%.

Section III - Physical/Chemical Characteristics

Table with 2 columns: Property, Value. Rows: Boiling Point (Not available), Specific Gravity (H2O = 1) (1.01), Vapor Pressure (mm Hg) (Not available), Melting Point (Not available), Vapor Density (AIR = 1) (Not available), Evaporation Rate (Butyl Acetate = 1) (Not available).

Solubility in Water

Complete.

Appearance and Odor

Colorless, odorless liquid.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Row 1: Nonflammable, Not applicable, Not applicable.

Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

May produce toxic fumes under fire conditions.

**Section V Reactivity Data**

Stability	Unstable		Conditions to Avoid	Incompatibles, excessive heat.
	Stable	X		

**Incompatibility Materials to Avoid**

Chlorates, nitrates, nitric acid, organic peroxides, oxidizing agents, peroxides, chlorates alkali metals, acid halides.

**Hazardous Decomposition or Byproducts**

Can include oxides of nitrogen and sulfur, carbonyl sulfide, hydrogen sulfide, carbon disulfide and potassium oxides.

**Hazardous Polymerization****Conditions to Avoid**

	May Occur		Incompatibles.
	Will Not Occur	X	

**Section VI Health Hazard Data**

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

**Health Hazards (Acute and Chronic)**

EYES/SKIN: May cause irritation. INHALATION: May cause irritation to the respiratory tract. INGESTION:

Expected to be slightly toxic by ingestion. Material is toxic to the central nervous system, gastrointestinal tract, reproductive system, upper respiratory system and urinary system.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
Not listed	Not listed	Not listed	Not listed

**Signs and Symptoms of Exposure.**

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated exposure can cause nausea, vomiting and diarrhea as a result of hypofunction of the thyroid gland and injuries to the liver and kidney.

**Medical Conditions Generally Aggravated by Exposure**

Medical conditions that may be aggravated by exposure to this product include:

Conjunctivitis of the eye, dermatitis of the skin, asthma and other respiratory diseases.

**Emergency and First Aid Procedures**

EYES: Immediately flush with large amounts of water for at least 15 minutes. SKIN:

Remove contaminated clothing. Rinse with large amounts of soap and water for at least 15 minutes. INHALATION:

Remove victim to fresh air. If difficulty breathing, give oxygen. If not breathing, give artificial respiration. INGESTION:

DO NOT INDUCE VOMITING. Give water provided person is conscious. Call a physician immediately.

**Section VII Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled**

Evacuate and ventilate area. Wear NIOSH/MSHA-approved respirator, chemical-resistant rubber boots, apron and rubber gloves. Absorb spill with vermiculite, sand or other inert material. Wash spill area thoroughly with water after pickup is complete. Keep unnecessary persons away from spill site.

Waste Disposal Method Dispose in accordance with all Federal, state and local regulations.

**Precautions to be Taken in Handling and Storing**

Keep in tightly-closed, plainly-labelled containers. Store in a cool, dry, corrosion-resistant and ventilated area. Protect against physical damage and light. Protect exposed tissues. Do not ingest or breathe vapors. Avoid storage below 0 °C (32 °F) and above 37.8 °C (100 °F).

Other Precautions Containers, even when empty, will retain residue. Always obey hazard warnings and handle empty containers as if they were full.

**Section VII Control Measures**

Respiratory Protection (Specify Type) Use appropriate NIOSH-approved respirator.

Ventilation	Local Exhaust	Recommended.	Special	Eyewash nearby.
	Mechanical (General)	Recommended.	Other	Safety shower nearby.

Protective Gloves Chemical resistant gloves. Eye Protection Chemical goggles.

Other Protective Clothing or Equipment Lab coat or apron.

Work /Hygienic Practices Wash exposed area thoroughly after handling. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.