



Flinn Scientific Canada Inc.
175 Longwood Road South
Hamilton, Ontario L8P 0A1 Canada
1-844-200-1455

PRODUCT: Potassium Thiocyanate

CODE: J654.00

SECTION 01: IDENTIFICATION

MANUFACTURER..... Flinn Scientific Inc.
PO Box 219
Batavia, Illinois 60510 USA
Tel: 1-800-452-1261

PRODUCT NAME..... Potassium Thiocyanate

PRODUCT USE..... This product is intended for use in a laboratory. The use of this product is restricted for use in a laboratory only.

EMERGENCY NUMBER..... CHEMTREC Emergency Phone Number: 703-527-3887 .

SECTION 02: HAZARD IDENTIFICATION



SIGNAL WORD..... WARNING.

HAZARD CLASSIFICATION..... Acute Toxicity (Dermal) — Category 4. Acute Toxicity (Inhalation) — Category 4. Acute Toxicity (Oral) — Category 4.

HAZARD STATEMENT(S)..... H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

PRECAUTIONARY STATEMENT(S)..... P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, protective clothing, eye protection and face protection. P271 Use only outdoors or in a well-ventilated area. P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

RESPONSE..... P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P330 Rinse mouth. P301+P312 IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell. P362+P364 Take off contaminated clothing and wash before reuse. P302+P352 IF ON SKIN: Wash with plenty of water. P312 Call a POISON CENTER or doctor/physician if you feel unwell.

STORAGE..... Flinn Suggested Chemical Storage Pattern: Inorganic #7.

DISPOSAL..... P501 Dispose of contents/container in accordance with local regulations.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Potassium thiocyanate	333-20-0	100

SECTION 04: FIRST AID MEASURES

MEDICAL ATTENTION AND SPECIAL TREATMENT Call a POISON CENTER or physician if you feel unwell.

INHALATION..... Remove victim to fresh air and keep at rest in a position comfortable for breathing.

INGESTION..... Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SKIN CONTACT..... Rinse cautiously with water for several minutes .

EYE CONTACT..... Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

SECTION 05: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA..... Use a tri-class dry chemical fire extinguisher .

HAZARDOUS COMBUSTION PRODUCTS..... When heated to decomposition, may emit toxic fumes.

SPECIAL FIRE FIGHTING PROCEDURES..... Nonflammable solid.

NFPA CODE..... None established.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Ventilate area.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP Sweep up, place in sealed bag or container and dispose. See Sections 8 and 13 for further information.

PRODUCT: Potassium Thiocyanate

CODE: J654.00

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES..... Use only in a hood or well-ventilated area. Wash thoroughly after handling . Do not breathe dust or fumes .

STORAGE NEEDS..... Store with arsenates, cyanides and cyanates. Moisture sensitive material. Store in a Flinn Chem-Saf™ bag. . Store in a cool, dry place.

FLINN SUGGESTED CHEMICAL STORAGE INORGANIC #7.

PATTERN

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
-------------	-----	-------------------	-----	------------------	-----	-------

Potassium thiocyanate	Not established	Not established	Not established	Not established	Not established	Not established
-----------------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

PROTECTIVE EQUIPMENT..... Wear protective gloves, protective clothing, and eye protection.

EYE/TYPE..... Safety goggles.

RESPIRATORY/TYPE..... Respiratory device if needed. Use only in a hood or well-ventilated area.

GLOVES/ TYPE..... Protective gloves.

CLOTHING/TYPE..... Protective clothing.

FOOTWEAR/TYPE..... Protective footwear.

BODY/TYPE..... General personal protective equipment.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE..... Colourless transparent crystals.

ODOUR..... Odourless.

ODOUR THRESHOLD..... No data available.

pH..... Not applicable.

SPECIFIC GRAVITY..... 1.88.

MELTING POINT (°C)..... 173 °C.

BOILING POINT (°C)..... Not available.

EVAPORATION RATE..... Not applicable .

FLASH POINT (°C), METHOD..... Not available.

UPPER FLAMMABLE LIMIT (% VOL)..... Not available.

LOWER FLAMMABLE LIMIT (% VOL)..... Not available.

AUTO IGNITION TEMPERATURE (°C)..... Not available.

VAPOUR PRESSURE (mm Hg)..... Not applicable.

VAPOUR DENSITY (AIR=1)..... Not applicable.

SOLUBILITY..... Water, alcohol and acetone.

DECOMPOSITION TEMPERATURE..... Not available.

VISCOSITY..... Not available.

SECTION 10: STABILITY AND REACTIVITY

STABILITY..... Shelf life: Fair to poor, deliquescent.

POSSIBILITY OF HAZARDOUS REACTIONS..... If heated or in contact with concentrated acids, may liberate poisonous fumes of hydrogen cyanide.

CONDITIONS TO AVOID..... See incompatible materials.

INCOMPATIBLE MATERIALS..... Avoid contact with strong acids, oxidizing agents and heat.

HAZARDOUS DECOMPOSITION PRODUCTS..... When heated to decomposition, may emit toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
-------------	------	------

Potassium thiocyanate	Not established	orl-rat 854 mg/kg
-----------------------	-----------------	-------------------

ROUTE OF ENTRY..... Skin contact . Inhalation. Ingestion.

ACUTE EFFECTS..... Irritant.

CHRONIC EFFECTS..... Not available, not all health aspects of this substance have been fully investigated.

TARGET ORGANS..... Not available, not all health aspects of this substance have been fully investigated.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY..... Data not yet available.

PRODUCT: Potassium Thiocyanate

CODE: J654.00

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS..... Please review all Federal, Provincial and Local Regulations that may apply before proceeding.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME..... Not regulated.
PROOF OF CLASSIFICATION..... This product has been classified in accordance with Part 2 of the Transportation of Dangerous Goods Regulations.

SECTION 15: REGULATORY INFORMATION

CEPA STATUS..... DSL - The substance is specified on the public Portion of the Domestic Substances List.
U.S. TSCA INVENTORY STATUS..... Listed.
EINECS STATUS..... Listed. (206-370-1).

SECTION 16: OTHER INFORMATION

DISCLAIMER:..... This Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

PREPARED BY: Flinn Scientific Inc.
DATE OF LATEST REVISION..... AUG 07/2015