**SDS #:** 631.00 **Revision Date:** April 7, 2016

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Potassium Ferrocyanide	
Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261CHEMTREC Emergency Phone Number: (800) 424-9300Signal WordN	I/A Pictograms
SECTION 2 — HAZARDS IDENTIFICATION	
This chemical is considered nonhazardous according to GHS classifications for the Hazard C Standard. Treat all laboratory chemicals with caution.	ommunication
Although this material is considered to be nonhazardous, unpredictable reactions among chen possible. Prudent laboratory practices should be observed.	nicals are always

## SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Potassium ferrocyanide trihydrate	14459-95-1	K <sub>4</sub> Fe(CN) <sub>6</sub> ·3H <sub>2</sub> O	422.41	
Synonyms: Potassium hexacyanoferrate(II); Yellow prussiate of potash				

#### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

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

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If on skin: Wash with plenty of water.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

# SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid. When heated to decomposition, may emit toxic fumes. **In case of fire:** Use a tri-class dry chemical fire extinguisher.

# SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

NFPA CODE None established

## SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #7. Store with arsenates, cyanides and cyanates. Effloresces on exposure to air. Keep container tightly closed and store in a Flinn Chem-Saf<sup>TM</sup> bag, in a cool dry place.

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Lemon-yellow crystals or powder. Odorless. Soluble: Water. Insoluble in alcohol.

Boiling point: 400 °C (decomposes) Melting point: ~70 °C Specific gravity: 1.853

# SECTION 10 — STABILITY AND REACTIVITY

Effloresces on exposure to air. Avoid strongly heating. If heated or in contact with concentrated acids, substance emits poisonous HCN gas. Avoid contact with strong acids, strong oxidizers, nitrate and nitrite salts, ammonia or sodium chromate. Shelf life: Fair to poor, efflorescent. See Section 7 for further information.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A. Chronic effects: N.A. Target organs: N.A. ORL-RAT  $LD_{50}$ : 3613 mg/kg IHL-RAT  $LC_{50}$ : N.A. SKN-RBT  $LD_{50}$ : N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

#### SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

#### SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #14 is one option.

#### SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

#### N/A = Not applicable

# SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (237-722-2).

# SECTION 16 — OTHER INFORMATION

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 shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data shall 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 Filin Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSIVE DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSA

Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals. **Revision Date:** April 7, 2016

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