

SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 29610

ID No.: 1020400

Product name: Potassium hexacyanoferrate(III) GPR (potassium ferricyanide)

Manufacturer/supplier identification

Company: 12 Valentine Place
London SE1 8QH

Emergency telephone No.:

2. Composition/information on ingredients

Chemical characterization

Inorganic salt

Product name: Potassium hexacyanoferrate(III)

CAS number: 13746-66-2

EEC-No.: 237-323-3

3. Hazards identification

4. First aid measures

Eye contact: Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.
Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.
Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks:

May evolve toxic fumes in fire.

Suitable extinguishing media:

Not applicable

6. Accidental release measures

Wear appropriate protective clothing.
If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water.
Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water.

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For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

As appropriate to quantity handled.

Respirator: Dust respirator

Ventilation: Extraction hood

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

Form:

solid

Colour:

dark red

Odour:

odourless

Melting temperature

n/a

Boiling temperature

n/a

Density (g/ml)

1.89

Solubility in water

Very soluble

10. Stability and reactivity

Stable.

Substances to be avoided

acids, oxidizing agents, fluorine, ammonia, CrO₃, nitrides, nitrites, hydrogen halides.

11. Toxicological information

After ingestion: gastrointestinal symptoms. After hydrolysis: Highly toxic. The following applies to cyanogen compounds/ nitriles in general: Exercise utmost caution! Release of hydrocyanic acid is possible - may block cellular respiration. Cardiovascular disorders, dyspnoea, unconsciousness can occur. This substance should be handled with particular care.

Further data

No data

No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.