

1. Identification

Product Code **CP5904-52**

Product Name **POTASSIUM FERRICYANIDE pure**

Other Names oferrate (III)

Molecular Formula $K_3Fe(CN)_6$ =329.25

CAS Number 13746-66-2

Supplier:  **BEECROFT & PARTNERS**
Northfield Road
Rotherham
South Yorkshire

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(Have this document to hand)

2. Composition

No hazardous components

3. Hazards Identification

Not considered harmful

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion OBTAIN MEDICAL ATTENTION URGENTLY. If there is any delay in obtaining medical attention give a small quantity of a very weak solution of sodium thiosulphate as an antidote, use with care as thiosulphate will induce violent vomiting.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection	Presents no major hazards. If contact with acid is possible, use full protective clothing and breathing apparatus.
Environmental	Presents no major environmental hazard.
Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.
Storage Conditions	Well ventilated, cool, dry storage .

8.1 Occupational Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Ruby red crystals.
Odour	No specific odour.
pH	7 (10% solution)
Boiling point	Not available
Melting point	Not available
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	An oxidising agent particularly in the presence of free alkali.
Vapour Pressure	Not available
Relative Density	1.9000
Water Solubility	33%

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Decomposes on heating and by the action of acids to form very toxic hydrogen cyanide gas.
Materials to Avoid	Acids. Reacts violently with ammonia causing fire and potentially explosion hazards.
Hazardous Decomposition Products	Decomposes to emit flammable and very toxic hydrogen cyanide.

11. Toxicological Information

Eyes	Contact with the solid or dust may be irritating to the eyes.
Skin	Contact with the solid or dust may be irritating to the skin.
LD50 Skin	Not available

11. Toxicological Information (continued)

Ingest	It has been stated but not proven conclusively, that on ingestion hydrogen cyanide may be liberated in the stomach as a result of the reaction with stomach acids.
LD50 Ingest	LDlo Rat 1600mg/Kg
Inhalation	Presents no significant health hazard by inhalation.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

No specific environmental hazard.

13. Disposal Considerations

Disposal Methods	Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated Packaging	Wash out containers with water.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	None
Classification	
Label Symbols	None
Risk & safety Phrases	None
EEC Number	237-323-3

16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.
	The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.
	Revision Date: 18/01/01.
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