

**BASIC CHEMICALS LIMITED**

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**HEALTH AND SAFETY DATA****POTASSIUM FERRICYANIDE**

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**1. IDENTIFICATION**

**PRODUCT NAME:** POTASSIUM FERRICYANIDE

**COMPANY IDENTIFICATION:** BASIC CHEMICALS LTD  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**CHEMICAL DESCRIPTION:** Potassium Ferricyanide.

**HAZARDOUS INGREDIENTS:**

<u>Name</u>	<u>%</u>	<u>CAS</u>	<u>EINECS</u>	<u>Supply Class</u>
	100	13746-66-2	237-323-3	R20/22

**HAZARDS:** Harmful by inhalation and if swallowed.

**3. FIRST AID MEASURES**

**EYES:** Irrigate with eyewash solution or water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical aid if irritation persists.

**SKIN:** Remove contaminated clothing. Wash skin with plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention if irritation develops.

**INGESTION:** Give large quantities of water to drink. Consult a doctor. Never give an unconscious person anything by mouth.

**INHALATION:** Remove to fresh air, keep warm and at rest. Consult a doctor if breathing difficulties occur.

**5. FIRE FIGHTING MEASURES**

<b>EXTINGUISHING MEDIA:</b>	Jet foam or dry agent.
<b>HAZARDS:</b>	May emit toxic and flammable fumes of cyanide if involved in a fire.
<b>PROTECTION:</b>	Breathing apparatus and full protective clothing.

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**6. ACCIDENTAL RELEASE MEASURES**

<b>PERSONAL:</b>	Isolate the contaminated area and instruct others to keep away. Wear appropriate personal protective equipment.
<b>ENVIRONMENTAL:</b>	Contain and control the spillage on site.
<b>RECOVERY:</b>	Sweep up and containerise for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

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**7. EXPOSURE CONTROLS**

<b>OCCUPATIONAL LIMITS:</b>	-
<b>ENGINEERING CONTROLS:</b>	COSHH - Due consideration should be given to your control systems and the need for assessment.

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**8. PERSONAL PROTECTION**

<b>RESPIRATORY PROTECTION:</b>	Dust mask under normal conditions.
<b>HAND:</b>	Gloves.
<b>EYE:</b>	Goggles or glasses (with eyewash facilities close by).
<b>OTHER:</b>	Body covering overalls.

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**9. PHYSICAL / CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Red crystalline powder.
<b>ODOUR:</b>	Odourless.
<b>PH:</b>	N/A.
<b>VISCOSITY:</b>	N/A.
<b>BOILING POINT:</b>	Decomposes.
<b>MELTING POINT:</b>	Loses 3 H <sub>2</sub> O @ 70
<b>FLASHPOINT:</b>	N/A

**VAPOUR PRESSURE:** N/A  
**VAPOUR DENSITY:** N/A  
**RELATIVE DENSITY (SG):** 1.85 @25C  
**SOLUBILITY:** 44 grms / 100 grms in water.

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**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable under normal conditions. The aqueous solution decomposes slowly on standing.

**CONDITIONS TO AVOID:** Light, heat and incompatibles.

**MATERIALS TO AVOID:** Chromium Trioxide and heat, Ammonia, Cupric Nitrate, Sodium Nitrate and heat, acids and acid fumes.

**HAZARDOUS DECOMPOSITION:** When heated to decomposition or if material comes into contact with acid or acid fumes, it emits toxic fumes of cyanides. Emits toxic fumes of cyanides and oxides of nitrogen when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

**SHORT TERM:**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation, redness and pain.

**INGESTION:** Large doses may cause gastrointestinal upset with nausea, vomiting, diarrhea, and possible cramping.

**INHALATION:** May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

**LONG TERM EFFECTS:** N/A.

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**12. ECOLOGICAL INFORMATION**

**BIODEGRADABILITY:** N/A.

**AQUATIC TOXICITY:** N/A.

**OTHER:** N/A.

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**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Disposal should be in accordance with local authority regulations.

**CONTAMINATED PACKAGING:** As above.

**14. TRANSPORT INFORMATION**

<b>PACKAGING:</b>	In 25 kilo net bags.
<b>TRANSPORT CLASSIFICATION:</b>	Not classified for transport.
<b>UN NUMBER:</b>	N/A
<b>SHIPPING NAME:</b>	N/A
<b>ICAO/IATA/IMDG CLASS:</b>	N/A
<b>SUBSIDIARY RISK:</b>	N/A
<b>PACKING GROUP:</b>	N/A
<b>ITEM NUMBER:</b>	N/A
<b>ADR CLASS:</b>	N/A
<b>TRANSPORT HAZARD SYMBOL:</b>	N/A
<b>HAZARD I.D. NUMBER:</b>	N/A
<b>EMERGENCY ACTION CODE:</b>	N/A
<b>OTHER:</b>	N/A

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**15. REGULATORY INFORMATION**

<b>SUPPLY CLASSIFICATION:</b>	Harmful.
<b>HAZARD PICTOGRAM</b>	X.
<b>RISK PHRASES;</b>	R20/22 - Harmful by inhalation and if swallowed. R36/37/38- Irritating to the eyes, respiratory system and skin.
<b>SAFETY PHRASES:</b>	N/A
<b>OTHER:</b>	N/A

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**16. OTHER INFORMATION**

Data prepared in accordance with UK Chemicals (Hazard Information & Packaging) Regulations 2002 (as amended).

**LEGAL DISCLAIMER:**

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy herself that the product is entirely suitable for her purpose.

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