

# Norkem SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

**PRODUCT** : POTASSIUM FERRICYANIDE

**DOCUMENT NO** : P17 **ISSUE DATE:** 31<sup>st</sup> May 2001

**COMPANY** : NORKEM LIMITED  
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Cheshire  
WA16 9FB  
England

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**EMERGENCY TELEPHONE** : National Chemical Emergency Scheme for UK transport/transit:  
(01865) 407333

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL DESCRIPTION** : Potassium Ferricyanate

INGREDIENTS	%	CAS	EINECS	Supply Class
	100	13746-66-2	237-323-3	R20/22, R36/37/38

## 3. HAZARDS IDENTIFICATION

: Harmful by inhalation and if swallowed  
Irritating to the eyes, respiratory system and skin

## 4. 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

**EXTINGUISHING MEDIA** : Jet foam or dry agent

**HAZARDS** : May emit toxic and flammable fumes of cyanide if involved in a fire

**PROTECTION** : Breathing apparatus and full protective clothing

## **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 use to avoid dust dispersal

## **7. HANDLING AND STORAGE**

<b>HANDLING</b>	:	Due care must be taken and any damaged packages must be isolated and repaired
<b>STORAGE</b>	:	Keep in cool, dry conditions away from any heat source and light. Keep containers tightly closed. Containers of this material may be hazardous when empty as they retain product residue (dust or solid) - observe product warnings at all times
<b>VENTILATION</b>	:	Storage area should be well ventilated

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **OCCUPATIONAL LIMITS**

<b>ENGINEERING CONTROLS</b>	:	COSHH-Due consideration should be given to your control systems and the need for assessment
<b>RESPIRATORY PROTECTION</b>	:	Dust mask under normal conditions
<b>HAND PROTECTION</b>	:	Gloves
<b>EYE PROTECTION</b>	:	Goggles or glasses (with eyewash facilities close by)
<b>OTHER</b>	:	Body covering overalls

## **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>FLASH POINT</b>	:	N/A
<b>VAPOUR PRESSURE</b>	:	N/A
<b>VAPOUR DENSITY</b>	:	N/A
<b>RELATIVE DENSITY(SG)</b>	:	1.85 (@25C)
<b>SOLUBILITY</b>	:	44 grms/100grms in water

### **10. STABILITY AND REACTIVITY**

<b>STABILITY</b>	:	Stable under normal conditions. The aqueous solution decomposes slowly on standing
<b>CONDITIONS TO AVOID</b>	:	Light, heat and incompatibles
<b>MATERIALS TO AVOID</b>	:	Chromium trioxide and heat, Ammonia, cupric Nitrate, Sodium nitrate and heat, acids and acid fumes
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	:	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

### **11. TOXICOLOGICAL INFORMATION**

#### **SHORT TERM**

<b>EYES</b>	:	May cause irritation, redness and pain
<b>SKIN</b>	:	May cause irritation, redness and pain
<b>INGESTION</b>	:	Large doses may cause gastrointestinal upset with nausea, vomiting, diarrhoea, and possible cramping
<b>INHALATION</b>	:	May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath

#### **LONG TERM EFFECTS**

: N/A

### **12. ECOLOGICAL INFORMATION**

<b>BIODEGRADABILITY</b>	:	N/A
<b>AQUATIC TOXICITY</b>	:	N/A
<b>OTHER</b>	:	N/A

### **13. DISPOSAL CONSIDERATIONS**

<b>DISPOSAL METHOD</b>	:	Disposal should be in accordance with local authority regulations
<b>CONTAMINATED PACKAGING</b>	:	As above

#### 14. TRANSPORT INFORMATION

**PACKAGING** : In 25 kilo nett bags

**TRANSPORT CLASSIFICATION** : Not classified for transport

**UN NUMBER** : N/A

**SHIPPING NAME** : N/A

**ICAO/IATA/IMDG CLASS** : N/A

**SUBSIDIARY RISK** : N/A

**PACKING GROUP** : N/A

**ADR CLASS** : N/A

**TRANSPORT HAZARD SYMBOL**

**HAZARD I.D NUMBER** : N/A

**EMERGENCY ACTION CODE** : N/A

**OTHER** : N/A

#### 15. REGULATORY INFORMATION

**SUPPLY CLASSIFICATION** : Harmful



#### **HAZARD PICTOGRAM**

**RISK PHRASES** : R20/22 Harmful by inhalation and if swallowed  
R36/37/38 Irritating to the eyes, respiratory system and skin

**SAFETY PHRASES** : N/A

**OTHER** : N/A

#### 16. OTHER INFORMATION

: Revised date: 14<sup>th</sup> November 2001 (9<sup>th</sup> Issue)

The above information complies with the Directive 67/548/EEC and amendments