



Potassium Ferricyanide Part A in the Cyanotype Set

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
GHS Product Identifier	Not applicable.
Chemical Name	Potassium Ferricyanide
Trade name	Potassium Ferricyanide - Part A in the Cyanotype Set
CAS No.	13746-66-2
EINECS No.	237-323-3
Product code	CHM0101, CHM01101, CHM02101, JCY1100, JCY1101
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Creating cyanotype prints
Uses advised against	None.
1.3 Details of the supplier of the safety data sheet	
Company Identification	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 USA
Telephone	+1 (707) 433-9577
Fax	+1 (707) 433-4906
E-Mail (competent person)	service@jacquardproducts.com
Website	www.jacquardproducts.com
Distributor	OZ International 1088, rue Marcel Paul ZA des grands godets 94508 Champigny-sur-marne cedex France
Telephone	(+33) 01 45 16 78 18
1.4 Emergency telephone number	
Emergency Phone No.	ChemTel, Inc. - Contract #MIS9128344 - North America: 1-800-255-3924 - International: 1-813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Regulation (EC) No. 1272/2008 (CLP).	Eye Irrit. 2; Aquatic Chronic 2
2.2 Label elements	
Hazard Symbol	
Signal word(s)	WARNING
Hazard statement(s)	H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects. EUH032: Contact with acids liberates very toxic gas.
Precautionary statement(s)	P264: Wash (hands and exposed skin) thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation



Potassium Ferricyanide Part A in the Cyanotype Set

persists: Get medical advice/attention.
P273: Avoid release to the environment.
P102: Keep out of reach of children.
None

2.3 Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Regulation (EC) No. 1272/2008 (CLP): Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

Hazardous Ingredient(s)	%W/W	EC No. CAS No. EC INDEX No. REACH Registration No.	According to Regulation (EC) No. 1272/2008 (CLP)
Tripotassium hexacyanoferrate ^	100	237-323-3 13746-66-2 None None	Eye Irrit. 2; H319 Aquatic Chronic 2; H411

For full text of H/P Statements see section 16.

^ Contact with acids liberates very toxic gas - Hydrogen cyanide

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with soap and water. If symptoms develop, obtain medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed Causes serious eye irritation.

4.3 Indication of the immediate medical attention and special treatment needed IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

-Suitable Extinguishing Media	Non-flammable / Non-combustible. As appropriate for surrounding fire.
-Unsuitable Extinguishing Media	None known.

5.2 Special hazards arising from the substance or mixture Decomposition products may include cyanide compounds.

5.3 Advice for fire-fighters A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers



Potassium Ferricyanide Part A in the Cyanotype Set

cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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|------------|--|---|
| 6.1 | Personal precautions, protective equipment and emergency procedures | Avoid contact with skin and eyes. |
| 6.2 | Environmental precautions | Do NOT wash away into sewer. |
| 6.3 | Methods and material for containment and cleaning up | Sweep up spilled substance and remove to safe place.
Transfer to a container for disposal or recovery. |
| 6.4 | Reference to other sections | None |

SECTION 7: HANDLING AND STORAGE

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|------------|---|---|
| 7.1 | Precautions for safe handling | Avoid contact with skin and eyes. Avoid release to the environment. |
| 7.2 | Conditions for safe storage, including any incompatibilities | |
| | -Storage Temperature | Store at room temperature. |
| | -Incompatible materials | Keep away from acid. |
| 7.3 | Specific end use(s) | Creating cyanotype prints |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
None	-----	-----	-----	-----	-----	-----

Biological limit value

Limit value type (country of origin)	SUBSTANCE.	CAS No.	Biological limit value	Note:
None known	None	-----	None	None

- | | | |
|--------------|--|--|
| 8.1.2 | Recommended monitoring method | None |
| 8.2 | Exposure controls | |
| 8.2.1 | Appropriate engineering controls | Not normally required. |
| 8.2.2 | Personal protection equipment | |
| | Eye/face protection | Wear protective eyewear (goggles, face shield, or safety glasses). |
| | Skin protection (Hand protection/ Other) | Wash hands and exposed skin thoroughly after handling. |
| | Respiratory protection | Not normally required. |





Potassium Ferricyanide

Part A in the Cyanotype Set

Thermal hazards

Not normally required.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid / Powder
Colour	Orange
Odour	Not available
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Decomposes
Boiling point/boiling range (°C):	Decomposes
Flash Point (°C)	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Non-flammable / Non-combustible
Explosive limit ranges	Not available
Vapour Pressure (Pascal)	Not available
Vapour Density (Air=1)	Not available
Density (g/ml)	1.893
Solubility (Water)	363 g/L @ 20 °C
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Temperature (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cP@ 40°C)	Not available
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	None anticipated.
10.4 Conditions to avoid	Incompatible materials
10.5 Incompatible materials	Contact with acids liberates very toxic gas.
10.6 Hazardous Decomposition Product(s)	None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity	LD50 (oral) mg/kg: > 5110 (rat) LD50 (dermal) mg/kg: > 2000 (rat) LC50 (inhalation) mg/l/4h: No data.
Skin corrosion/irritation	Unlikely to cause skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitization	It is not a skin sensitiser in animal tests.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	Studies in animals have shown that repeated exposures do not produce carcinogenic effects.
Reproductive toxicity	Not to be expected.
STOT - single exposure	Not to be expected.
STOT - repeated exposure	Not to be expected. NOAEL >450 mg/kg-bw
Aspiration hazard	No data.

11.1.2 Mixtures

Not applicable.

11.1.3 Substances in preparations / mixtures

Not applicable.



Potassium Ferricyanide Part A in the Cyanotype Set

11.2 Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

Substances in preparations / mixtures:

12.1 Toxicity	
Short term	LL50 (96 hour): >100 mg/L (<i>Cyprinus carpio</i>) EL50 (48 hour): 59 mg/l (<i>Daphnia magna</i> , mobility) EC50 (72 hour): 1.7 mg/l (<i>Pseudokirchnerella subcapitata</i>)
Long Term	NOEC (72 hour): 0.042 mg/l (<i>Pseudokirchnerella subcapitata</i>)
12.2 Persistence and degradability	The substance is non biodegradable.
12.3 Bioaccumulative potential	The substance has low potential for bioaccumulation.
12.4 Mobility in soil	The substance has low mobility in sediment.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number	This material is classified as dangerous for transport under the UN model regulations but is not subject to ADR/RID, IMDG and ACO/IATA due to specific exemptions in those rules.		
14.2 Proper Shipping Name			
14.3 Transport hazard class(es)			
14.4 Packing Group			
14.5 Environmental hazards			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable		

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:	
15.1.1 EU regulations	Listed
Regulation (EC) 2037/2000 - Dangerous to the ozone layer.	No.
Regulation (EC) 850/2004 - Persistent Organic Pollutants	No.
Regulation (EC) 649/2012 - Export/Import of Dangerous Chemicals	No.
Regulation (EC) 1907/2006 - REACH Authorisations and/or restrictions on use	No.
15.1.2 National regulations	Not established.
German Water Classification / Wassergefährdungsklasse (Germany)	2
15.2 Chemical Safety Assessment	Not applicable

SECTION 16: OTHER INFORMATION

Revision: 25 June 2021

The following sections contain revisions or new statements: 1 - 16.

Hazard statement(s) and Precautionary statement(s):

- H319: Causes serious eye irritation.
- H411: Toxic to aquatic life with long lasting effects.

GHS Classification



Potassium Ferricyanide Part A in the Cyanotype Set

- Eye Irrit. 2; Serious eye damage/irritation Category 2
- Aquatic Chronic 2; Chronic aquatic toxicity, Category 2

Training advice: None.

Additional Information: None.

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