

Material Safety Data Sheet

according to ANSI Z400.1-2004

Redoxpuffer-220_185mV

Print date: 28.11.2011

Product code: 791453

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

Redoxpuffer-220_185mV

Further trade names

Also applies to the following material numbers: 506244; 506245

Chemical characterization (Mixture)

(K4[Fe(CN)6]x3H2O	CAS Nr. 14459-95-1	<1%
(K3[Fe(CN)6]	CAS Nr. 13746-66-2	<1%
(KH2PO4)	CAS Nr. 7778-77-0	<1%
(Na2HPO4)	CAS Nr. 7558-79-4	<1%

Details of the supplier of the safety data sheet

Company name:	ProMinent Dosiertechnik GmbH (PROMINENT)	
Street:	Im Schuhmachergewann 5-11	
Place:	DE-69123 Heidelberg	
Post-office box:	101760 DE-69007 Heidelberg	
Telephone:	0049/6221 842 (0)	Telefax: 0049/6221 842 (445)
Contact person:	Abteilung Technik/ Umwelt	Telephone: +49(0)6221 842-720
e-mail:	sicherheitsdatenblaetter@prominent.de	
Internet:	www.prominent.com	
Responsible Department:	Abteilung T/U (Technik/Umwelt) Gefahrstoffmanagement/Operational management of Hazardous Substances REACH Compliance	

Emergency telephone: Giftnotruf Berlin +49 (0)30 - 19240**SECTION 2: Hazards identification****Route(s) of Entry****Signs and Symptoms of Exposure**

None known.

Carcinogenicity (NTP):

Carcinogenicity (IARC):

Carcinogenicity (OSHA):

SECTION 3: Composition/information on ingredients**Mixtures****SECTION 4: First aid measures****Description of first aid measures****General information**

The product is to be handled with the care and diligence usual for chemicals.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

To suit environment.

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Unsuitable extinguishing media

Not applicable.

Special hazards arising from the substance or mixture

Not applicable.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

The product is to be handled with the care and diligence usual for chemicals.

Environmental precautions

Take up with liquid-absorbent material. Rinse away remainder with a lot of water.

Methods and material for containment and cleaning up

Take up with liquid-absorbent material. Rinse away remainder with a lot of water.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

The product is to be handled with the care and diligence usual for chemicals.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep original container tightly closed. Protect against direct sunlight and frost.

Advice on storage compatibility

None known.

Further information on storage conditions

None known.

SECTION 8: Exposure controls/personal protection**Control parameters****Exposure controls****Occupational exposure controls**

None known.

Respiratory protection

Required. Required when vapors / aerosols are generated.

Hand protection

Required.

Eye protection

Required.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Form:

Color:

pH-Value (at 20 °C):

7

Test method**Changes in the physical state**

Density (at 20 °C):

1,0 g/cm³

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SECTION 10: Stability and reactivity

Stability:

Possibility of Hazardous Reactions:

Conditions to avoid

No decomposition if used according to specifications.

Incompatible materials

None known.

Hazardous decomposition products

None known.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

"Quantitative data on the toxicity of this product are not available. Hazardous properties

Specific effects in experiment on an animal

Kaliumhexacyanoferrat (II) LD50: 6400mg/kg

Kaliumhexacyanoferrat (III) LD50: 1600mg/kg

Irritation and corrosivity

None known.

Sensitizing effects

None known.

Severe effects after repeated or prolonged exposure

None known.

SECTION 12: Ecological information**Toxicity**

Given proper handling and use, no ecological problems are to be expected.

Persistence and degradability

Given proper handling and use, no ecological problems are to be expected.

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

"As waste for thermal recycling, chemicals are normally hazardous waste. In case of doubt, "Small containers can be returned during the chemicals collection campaigns of the

Contaminated packaging

"Rinse the container with a lot of water. Dispose of the rinsing water either using the

SECTION 14: Transport information**Land transport (ADR/RID)****UN proper shipping name:**

This product is not classified as dangerous in the sense of transport regulations.

SECTION 15: Regulatory information**U.S. Regulations**

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Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Other data

"This information is based on our current level of knowledge and relates to the product in the The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)