

Safety Data Sheet

The material is Hazardous according to criteria of NOHSC
Classified as Dangerous Goods by the criteria of the Australian Dangerous
Goods Code (ADG Code) for Transportation by Road and Rail.

Redox Buffer-465_430mV

Print date: 22.11.2011

Product code: 791452

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

Product identifier

Redox Buffer-465_430mV – Part No. 791452

Further trade names

Part No. 506240; Part No. 506241; Part No. 791439

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

For use in industrial installations or professional treatment only.

Details of the supplier of the safety data sheet

Company Identification: ProMinent Dosiertechnik GmbH
69123 Heidelberg, Im Schuhmachergewann 5-11
Germany
Tel: +49 (0)6221 842-0

Local Supplier: ProMinent Fluid Controls Pty Ltd
ABN 83 080 688 795
4/4 Narabang Way, Belrose NSW 2085
AUSTRALIA
Tel: +61 (0) 2 9450 0995

Emergency Telephone: National Poisons Information Centre
Australia: Tel: 13 11 26
New Zealand: 0800 764 766

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Irritant
R-phrases:
Irritating to eyes.
Irritating to respiratory system and skin.

GHS classification

Hazard Statements:
Causes serious eye irritation.
Causes skin irritation.

Label elements

Signal word: Warning
Pictograms: GHS07



Hazard statements

Causes serious eye irritation.
Causes skin irritation.

Precautionary statements

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

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IF ON SKIN: Wash with plenty of soap and water.

Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

(NH ₄) ₂ FE(SO ₄) ₂ x 6(H ₂ O)	CAS Nr. 7783-85-9	<5%
NH ₄ Fe(SO ₄) ₂ x 12(H ₂ O)	CAS Nr. 7783-83-7	<5%
H ₂ SO ₄	CAS Nr. 7664-93-9	<10%

In wässriger Lösung nach DINS 38484 Teil 6

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
231-639-5	sulphuric acid ... %	5 - 10 %
7664-93-9	C R35	
016-020-00-8	Skin Corr. 1A; H314	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Medical advice absolutely required!

SECTION 5: Firefighting measures

Extinguishing media

Special hazards arising from the substance or mixture

The product itself is not combustible.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes. Avoid contact with skin.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Spilled product must not leak into the ground. Treat the assimilated material according to the section on waste disposal. Suitable material for diluting or neutralizing: lime

SECTION 7: Handling and storage

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according to Regulation (EC) No. 1907/2006

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Precautions for safe handling Not available

Conditions for safe storage, including any incompatibilities Not available

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
7664-93-9	Sulphuric acid (mist)	-	1		TWA (8 h)	EU
		-	-		STEL (15 min)	EU

Exposure controls

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
Colour: yellow ivory
Odour: odourless

pH-Value (at 20 °C): 0,5

Changes in the physical state Density (at 20 °C): 1,1 g/cm³

SECTION 10: Stability and reactivity

Not available

SECTION 11: Toxicological information

Information on toxicological effects

Specific effects in experiment on an animal

(NH₄)₂Fe(SO₄)₂ x 12H₂O LD50: 3250 mg/kg Rat.
H₂SO₄ LD50: 2140 mg/kg Rat.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Waste treatment methods

Waste disposal number of waste from residues/unused products

060101 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of acids; sulphuric acid and sulphurous acid
Classified as hazardous waste.

Waste disposal number of used product

060101 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of acids; sulphuric acid and sulphurous acid
Classified as hazardous waste.

Waste disposal number of contaminated packaging

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060101 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of acids; sulphuric acid and sulphurous acid
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: 2796
UN proper shipping name: SULPHURIC ACID with not more than 51 % acid
Transport hazard class(es): 8
Packing group: II
Hazard label: 8



Classification code: C1
Limited quantity: LQ22
Hazard-no.: 80

Other applicable information (land transport)

:
: 2

Marine transport

UN number: 2796
UN proper shipping name: Sulphuric Acid
Transport hazard class(es): 8, II
EmS: F-A

Air transport

UN/ID number: 2796
UN proper shipping name: Sulphuric Acid
Transport hazard class(es): XAO, PAX
Hazard label: 8, II



SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

Causes severe burns.
Irritating to eyes.
Irritating to respiratory system and skin.

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Full text of H-Statements referred to under sections 2 and 3

Causes severe skin burns and eye damage.

Causes skin irritation.

Causes serious eye irritation.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. 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.)