

SAFETY DATA SHEET

RBC 2000 Gel

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

Date issued 13.07.2012

1.1. Product identifier

Product name RBC 2000 Gel
 Chemical name Phosphoric acid solution
 Article no. 11903

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

Use of the substance/preparation Dissolves rust
 Relevant identified uses SU21 Consumer uses: Private households (= general public = consumers)
 PC6 Automotive Care Products***
 PC14 Metal surface treatment products, including galvanic and electroplating products,

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name Auson AB
 Postal address Verkstadsgatan 3
 Postcode S-434 42
 City KUNGSBACKA
 Country SVERIGE
 Tel +46 300-562000
 Fax +46 300-562021
 E-mail nina.nyth@auson.se
 Website <http://www.auson.se/>
 Contact person Nina Nyth

1.4. Emergency telephone number

Emergency telephone :112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC C; R34
 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] Skin Corr 1B; H314

2.2. Label elements

EC label Yes

Hazard Pictograms (CLP)



Composition on the label phosphoric acid ... %, orthophosphoric acid ... %:20 - 50 %, Water:40 - 60 %, Dipropylenglykolmetyleter:5 - 15 %

Signal word	Danger
Hazard statements	H314 Causes Severe skin burns and eye damage.
Precautionary statements	P102 Keep out of reach of children. P280 Wear protective gloves/eye protection P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501 Dispose of contents at hazardous or special waste collection point.
EEC-directive	2006/121/2006

2.3. Other hazards

Description of hazard	Causes burns.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
phosphoric acid ... %, orthophosphoric acid ... %	CAS no.: 7664-38-2 EC no.: 231-633-2 Index no.: 015-011-00-6	C; R34 Skin Corr 1B; H314	20 - 50 %
Water	CAS no.: 7732-18-5 EC no.: 231-791-2		40 - 60 %
Dipropylenglykolmetyleter	CAS no.: 34590-94-8 EC no.: 252-104-2		5 - 15 %

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Fresh air and rest. Rinse nose, mouth and throat with water. Get medical advice.
Skin contact	Remove contaminated clothing immediately. Flush the skin with water. Chemical burns must be treated by a physician.
Eye contact	Flush with large amounts of water (open eyelids) for at least 15 minutes. Summon physician/eyespecialist immediately or transport to hospital.
Ingestion	Give water to drink if the affected person is fully conscious. DO NOT INDUCE VOMITING! Immediately consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Specific details on antidotes	No information available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray. Water fog. Foam. Dry chemical. Carbon dioxide (CO ₂).
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5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Other Information	Not flammable.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use the specified protective equipment.
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6.2. Environmental precautions

Environmental precautionary measures	Prevent discharge of significant quantities to drains. Inform appropriate authorities if large amounts are involved.
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6.3. Methods and material for containment and cleaning up

Cleaning method Mix the chemical with an inert material (sand, vermiculite, etc.) and place in a suitable container. Flush with large amounts of water to clean the area.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Mechanical ventilation or local exhaust ventilation may be required. Avoid contact with skin and eyes. Eyewash facilities must be available at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep smaller containers tightly closed when not in use. Keep in a well-ventilated place. Always use containers of the same material as the original container. Do not bear frost.

7.3. Specific end use(s)

Specific use(s) See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
phosphoric acid ... %, orthophosphoric acid ... %	CAS no.: 7664-38-2 EC no.: 231-633-2 Index no.: 015-011-00-6	8-hour TWA: 1 mg/m ³ 15 min.: 3 mg/m ³	1974

DNEL / PNEC

Summary of risk management measures, human No information available.

Summary of risk management measures, environment No information available.

8.2. Exposure controls

Occupational exposure limits Emergency shower and eyewash facilities must be available at the workplace.

Safety signs



Respiratory protection

Respiratory protection Particulate filter P2 (fine particles).

Hand protection

Hand protection Protective gloves must be used if there is a risk of direct contact or splashes. Use protective gloves of impervious material, e.g.: Neoprene rubber. Natural rubber (latex). nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). viton rubber.

Eye / face protection

Eye protection Wear approved, tight fitting safety glasses where splashing is probable.

Skin protection

Skin protection (except hands) Wear suitable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Transparent.
Odour	Odourless or no characteristic odour.
pH (as supplied)	Value: < 1
Solubility description	Very soluble in water.
Solubility in water	Soluble in water

9.2. Other information

Bulk density	Value: 1170 kg/m ³
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable with normal handling.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	No information available.
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10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data for substances

Substance	phosphoric acid ... %, orthophosphoric acid ... %
LD50 oral	Value: 1530 mg/kg Animal test species: rat
LD50 dermal	Value: 2740 mg/kg Animal test species: rabbit

Potential acute effects

Inhalation	Inhalation of mist causes irritation of respiratory system.
Skin contact	Chemical burns. Blistering.
Eye contact	Causes burns. Risk of serious damage to eyes.
Ingestion	Burning sensation in the mouth and throat. Vomiting. Diarrhoea.

SECTION 12: Ecological information

12.1. Toxicity

Toxicological data for substances

Substance	phosphoric acid ... %, orthophosphoric acid ... %
Acute aquatic, fish	Value: 138 mg/L Method of testing: LC50 Species: Gambusia affinis Duration: 96 h
Acute aquatic, Daphnia	Value: 59 mg/L Method of testing: LOEC Species: Daphnia

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential	Does not bioaccumulate.
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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT assessment results No information available.

12.6. Other adverse effects

Other adverse effects / Remarks Does not cause long term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Hazardous waste. Dispose of in compliance with local regulations.
Product classified as hazardous waste	Yes
Packaging classified as hazardous waste	No
EWC waste code	EWC: 06 01 04 phosphoricand phosphorous acid

SECTION 14: Transport information

14.1. UN number

ADR	1824
RID	1824
IMDG	1824
ICAO/IATA	1824

14.2. UN proper shipping name

ADR	SODIUM HYDROXIDE SOLUTION
RID	SODIUM HYDROXIDE SOLUTION
IMDG	SODIUM HYDROXIDE SOLUTION
ICAO/IATA	SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR	8
Hazard no.	80
RID	8
IMDG	8
ICAO/IATA	8

14.4. Packing group

ADR	III
RID	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

14.6. Special precautions for user

EmS F-A, S-B

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information.

Additional information. Limited quantity

SECTION 15: Regulatory information

R-phrases	R-34 Causes burns.
S-phrases	S-2 Keep out of the reach of children. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-36 Wear suitable protection clothing. S-37 Wear suitable gloves. S-39 Wear eye/face protection. S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S-56 Dispose of this material and its container at hazardous or special waste collection point.

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

References (laws/regulations)	The product is classified and labelled in accordance with EEC guidelines or national legislation.
Legislation and regulations	Regulation (EG) nr. 1907/2006 Regulation (EC) nr. 166/2006 (PRTR) Regulation (EC) nr. 1272/2008.

15.2. Chemical safety assessment

SECTION 16: Other information

Supplier's notes	These data are based on our best knowledge to date, however they do not imply any guarantee on the properties or quality of the product.
Expired date	13.07.2015
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Skin Corr 1B; H314;
List of relevant R-phrases (under headings 2 and 3).	R34 Causes burns.
List of relevant H-phrases (Section 2 and 3).	H314 Causes Severe skin burns and eye damage.
Responsible for safety data sheet	Auson AB