

# BONASYSTEMS LTD

## Material Safety Data Sheet: BONAMAIN PLUS MRSA

Date of issue: May 2008

Revision No: 0

Reason for issue: New product.

### 1 Product and Company Information

Product Name:



Intended use:

Cleaning of hard floor surfaces

Supplier:

Bonasystems Ltd  
City House Swallowdale Lane  
Hemel Hempstead Industrial Estate  
HEMEL HEMPSTEAD Herts HP2 7EA

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### 2 Composition/information on ingredients

*Contains the following substances that have workplace exposure limits and are present at concentrations greater than those specified in the Table attached to Article 3(3) of Directive 1999/45/EEC:*

	CAS No	EINECS No	Amount present	Classification*
Orthophosphoric acid	7664-38-2	231-633-2	<10%	None
2-Aminoethanol	141-43-5	205-483-3	≥5-<10%	Xi R36/37/38
Butoxyethanol	111-76-2	203-905-0	<20%	None

*The following substances are present at concentrations greater than those specified in the Table attached to Article 3(3) of Directive 1999/45/EEC:*

Benzalkonium chloride	68424-85-1	270-325-2	<7.5%	Xi, R38, R41
Amphoteric surfactant	61789-40-0		<20%	None
Nonionic surfactant			<20%	None

\*at concentration present

### **3 Hazard identification**

Irritant; risk of severe damage to eyes, irritating to respiratory system, irritating to skin.

### **4 First aid measures**

Inhalation: Remove the affected person from exposure and keep warm and at rest. Obtain medical attention if symptoms become apparent. (Possible symptoms: cough, respiratory irritation)

Skin contact: Remove all contaminated clothing. Wash skin immediately with plenty of soap and water. If symptoms persist, seek medical advice. (Possible symptoms: irritation, redness, burning)

Eye contact: Irrigate with clean water holding the eye lids apart for at least 15 minutes. Seek medical attention. (Possible symptoms: irritation, redness).

Ingestion: Drink a large quantity of clean water. If symptoms persist seek medical attention

Further medical attention: No specific treatment known.

### **5 Fire fighting measures**

General: Preparation is acidic.

Extinguishing media: Foam, dry chemical powder or water spray.

Fire fighting protective equipment: Fire fighters should wear breathing apparatus and full protective clothing for large fires.

### **6 Accidental release measures**

Personal precautions: Ensure suitable personal protective equipment (see Section 8) during removal of spillages.

Environmental precautions: No specific precautions

Methods for clean up: Dilute with water.

### **7 Handling and storage**

Handling: Use protective clothing as described in section 8. Avoid contact with skin and eyes.

Storage: Store on an impermeable surface. Keep containers closed when not in use.

## **8 Exposure control/personal protection**

The workplace exposure limits for exposure to orthophosphoric acid are 1 mg/m<sup>3</sup> (8 hour) and 2 mg/m<sup>3</sup> (15 minute). Those for 2-aminoethanol are 3 ppm /7.6 mg/M<sup>3</sup> (8 hour) and 6 ppm/15 mg/M<sup>3</sup> (15 minute). The workplace exposure limits for butoxyethanol are 25 ppm (8 hour) and 50 ppm (15 minute).

*Occupational exposure controls:*

Hand protection: Chemical resistant gloves  
Eye protection: Safety glasses, safety goggles or face shield  
Other personal protection: Protective overalls and safety boots.

*Environmental exposure controls:* none

## **9 Physical and Chemical properties**

Description: Maroon liquid  
Boiling point: 100°C  
pH: Approximately 2.1  
Solubility: Completely miscible with water  
Flammability: Not flammable

## **10 Stability and reactivity**

Materials to avoid: None specified  
Hazardous decomposition products: Thermal decomposition may yield carbon monoxide, carbon dioxide, ammonia, phosphorous and nitrogen oxides.  
Is preparation stabilised: No  
Hazardous exothermic reaction: Unlikely

## **11 Toxicological information**

The preparation has not been tested but is classified irritant to eyes, respiratory system and skin, based on the properties of the substances present.

The substances present have been extensively tested. The preparation contains surfactants used in household detergents and cosmetic detergent products that have been tested for acute toxicity, including sensitisation, repeated dose toxicity, mutagenicity and, in one case, reproductive toxicity (the last named following dermal exposure). They are irritants. The remaining chemicals (except water) are on Annex 1 to Directive 67/548/EEC and the IUCLID datafiles confirm the classifications in Annex 1.

## **12 Ecological information:**

No data available for the preparation.

None of the substances present in this preparation are classified as 'Dangerous to the environment'. The surfactants present in the preparation are biodegradable.

### **13 Disposal considerations**

Dilution with water renders the preparation non-toxic.  
Disposal should be in accordance with the relevant regulations.

### **14 Transport information**

Not classified

### **15 Regulatory information**

*Labelling:*



Symbol for irritant (St Andrews Cross on an orange background)

R 37/38. Irritating to respiratory system, irritating to skin.

R 41 Risk of severe damage to eyes

S 2 Keep out of reach of children

S 23 Do not breathe spray

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 35 This container must be disposed of in a safe way

S 37 Wear suitable gloves

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*EINECS Status:*

Except for the surfactants, the listed components are on EINECS and also listed in Annex 1 of Directive 67/548/EEC.

*Additional information:*

This MSDS has been prepared in accordance with the requirements of:

The Dangerous Substances Directive (67/548/EEC), as amended;

The Dangerous Preparations Directive (1999/45/EEC)

The Safety Data Sheets Directive (91/155/EEC) as amended

The Chemicals (Hazardous Information and Packaging for Supply) Regulations 2002.

ACOP 'The compilation of safety data sheets (third edition, 2002)

The information contained in this MSDS may be of assistance in complying with the

Control of Substances Hazardous to Health Regulations 2002 and appropriate pollution prevention and control regulations.

### **16 Other information**

The preparation is intended only for professional use.

Full text of R phrases referred to under headings 2 and 3:

R 36 irritating to eyes  
R 37 irritating to respiratory system  
R38 irritating to skin  
R 41 risk of severe damage to eyes

Only suitably trained professionals should use this preparation and it should be used only for its intended purpose. Further information can be obtained from Bonasystems Ltd. City House, Swallowdale Lane, HEMEL HEMPSTEAD, Herts HP2 7EA. Tel: (+44) 1442 419470.

Sources of key data used in compiling this MSDS:

Approved Supply List (Eighth edition, 2005)

CESIO (2006) Classification and labelling of surfactants for human health hazards according to the Dangerous Substances Directive – CESIO recommendations for anionic and non ionic surfactants – accessed via the CESIO website)

ESIS (European Substances Information System – accessed via the European Chemicals Bureau website)

EH40/2005 Workplace exposure limits 2005 , 1310-73-2 and 7664-38-2 (Publicly available versions from the European Chemicals Bureau website)

‘Environmental and Health Assessment of Substances in Household Detergents and Cosmetic Detergent Products’, Madsen, T, Buchardt Boyd, H, Nylen, T, Rathmann Pedersen, A, Petersen, G I and Simonsen F, Environmental Project No 615 2001, Copenhagen: Miljostyrelsen.

UN Recommendations and Model Regulations on the Transport of Dangerous Goods (Fourteenth edition)

This MSDS was first published in May 2008.