

## SAFETY DATA SHEET

## Bowcare Kitchen Descaler

Revision Date 18<sup>th</sup> April 2012

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

<b>Product Name</b>	Bowcare Kitchen Descaler
<b>Synonyms, Trade Name</b>	Phosphoric Liquid De-scale
<b>Application</b>	Cleaning

**Supplier**


GPP Hygiene,  
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GL2 2AG  
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SDS No. C2/413a

## 2. HAZARDS IDENTIFICATION

C;R34.

<b>Classification</b> (EC1272/2008)	Physical: Not classified Health: EUH031; Skin Corr. 1B – H314; STOT Single 3 – H335 Environmental: Not classified
<b>Classification</b> (67/548)	C; R34 Full text for all R- Phrases and Hazard statements are displayed in section 16
<b>Labelling</b> in accordance with (EC) No.1272/2008	
<b>Signal Word</b>	Danger
<b>Hazard Statements</b>	H314 Causes severe skin burns and eye damage
<b>Precautionary Statements</b>	P280 Wear protective gloves / protective clothing/ eye protection / face protection P301+330+331 If swallowed: Rinse mouth. Do Not induce vomiting. P303+361+353 If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower P304+340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338 If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical advice/attention

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product	EC (EINECS) No.	CAS-No.	EU Index No.
Phosphoric Acid (5-15%)	231-633-2	7664-38-2	015-011-00-6

## 4. FIRST-AID MEASURES

<b>Eye Contact</b>	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash with soap and water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Immediately rinse mouth and drink plenty of water (200-300ml). Get medical attention immediately!
<b>Inhalation</b>	Remove victim immediately from source of exposure. Get medical attention if any discomfort continues

## 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media Use:</b>	Extinguish with alcohol resistant foam, carbon dioxide, dry powder or water fog
<b>Specific Hazard</b>	Oxides of: Phosphorus
<b>Protective Measures in Fire</b>	Self contained breathing apparatus and full protective clothing must be worn in case of fire

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes. Provide adequate ventilation
<b>Environmental Precautions</b>	Spillages of uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body
<b>Spill Cleanup Methods</b>	Absorb with inert, damp, non-combustible material then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local authority regulations.

## 7. HANDLING AND STORAGE

<b>Usage Precautions</b>	Avoid Spilling, skin and eye contact. Avoid inhalation of vapours and spray mists. Provide good ventilation. Eye wash facilities must be available when handling this product.
<b>Storage Class</b>	Corrosive storage
<b>Storage Precautions</b>	Keep containers tightly closed. Keep in original containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Ingredient Comments

Name	STD	TWA – 8 Hrs	STEL – 15 Min	Notes
Phosphoric Acid	WEL	1mg/m3	2mg/m3	

WEL= Workplace Exposure Limits

## Protective Equipment



## Process Conditions

provide eyewash,

## Engineering Measures

Provide adequate ventilation. Minimise the risk of inhalation of vapours.

**Respiratory Equipment**

If ventilation is insufficient, suitable respiratory protection must be provided.

**Hand Protection**

Use protective gloves made of: Butyl rubber are recommended. The most suitable glove must be chosen in consultation with your glove supplier, who can inform about the breakthrough time of the glove material.

**Eye Protection**

Approved safety goggles are recommended.

**Other Protection**

Wear rubber apron, wear rubber footwear.

**Hygiene Measures**

Wash at the end of work shift and before eating, smoking and using the toilet. Remove contaminated clothing and wash the skin thoroughly with soap & water after work. Eating, smoking and water fountains prohibited in immediate work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid		
<b>Colour</b>	Clear to yellow		
<b>Odour</b>	Odourless		
<b>Solubility</b>	Miscible with water, soluble in: Ethanol		
<b>pH value, (conc. Solution)</b>	<2	<b>Boiling Point (°C)</b>	>100
<b>Bulk Density</b>	1752 kg/m <sup>3</sup>	<b>Melting Point (°C)</b>	<-29

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under normal temperature and recommended use
<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
<b>Incompatible materials</b>	Strong alkalis.
<b>Hazardous Decomposition Products</b>	Oxides of: Phosphorus

## 11. TOXICOLOGICAL INFORMATION

<b>Toxic Dose 1-ld 50</b>	1530 mg/kg (oral rat)
<b>Ingestion</b>	May cause chemical burns in mouth, oesophagus and stomach
<b>Inhalation</b>	Irritating to respiratory system. Prolonged inhalation of high concentrations may cause damage to mucosa membranes in nose, throat, lungs and bronchial system
<b>Skin Contact</b>	May Cause burns.
<b>Eye Contact</b>	Cause burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possible loss of sight


## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment
<b>Mobility</b>	The product is soluble in water
<b>Bioaccumulation</b>	This product does not contain any substance expected to be bioaccumulating
<b>Degradability</b>	The product is expected to be biodegradable
<b>PBT &amp; vPvB.</b>	This product does not contain any PBT or vPvB substances
<b>Other effects</b>	Not known

## 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Do not puncture or incinerate even when empty.
<b>Disposal methods</b>	Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

			
Proper Shipping name	Phosphoric Acid Solution		
UN No. Road	1805	UN No. Sea	1805
ADR Class No.	8	IMDG Class	8
ADR Class	Class 8: Corrosive substance	IMDG Pack Group	III
ADR Pack Group	III	EMS	F-A, S-B
Tunnel Restriction	(E)	UN No. Air	1789
Hazard No. (ADR)	80	Air Class	8
ADR Label No.	8	Air Sub Class	8
Hazchem code	2P	Air Pack Group	III

## 15. REGULATORY INFORMATION

<b>General Information</b>	EU Directives: Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 <sup>th</sup> December 2006 concerning the registration, evaluation, authorisation and restriction of chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC including amendments.
<b>Statutory Instruments</b>	The Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716)
<b>Approved Code of Practice</b>	Safety data sheets for substances and preparation. Classification and labeling of substances and Preparations Dangerous for supply
<b>Guidance Notes</b>	CHIP for everyone HSG (108). Workplace Exposure Limits EH40

## 16. OTHER INFORMATION

<b>REV. No. / REPL. SDS</b>	
<b>Generated</b>	18 <sup>th</sup> April 2012
<b>SDS No.</b>	C2/413a
<b>Safety Data Sheet Status</b>	
<b>Approved.</b>	18 <sup>th</sup> April 2012
<b>Signature</b>	
<b>Risk Phrases in Full</b>	R34 Causes burns
<b>Hazard Statements in full</b>	H314 Causes severe skin burns and eye damage
<b>Notes</b>	This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.