

**Lithofin BERO**

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

<b>Name of product</b>	<b>Lithofin BERO</b>
<b>Manufacturer/distributor</b>	CDK Stone Pty Ltd 4-6 Freighter Road, Moorabbin, Victoria 3189 Phone 03 9553 3055
<b>Advice</b>	Technical Department Phone 03 9553 3055
<b>Recommended intended purpose(s)</b>	Cleaner

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## 2. HAZARDS IDENTIFICATION

**Classification**

C; R34

**R-phrases**

34 Causes burns.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization**

Acid cleaner

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification
7664-38-2	231-633-2	orthophosphoric-acid	> 25	C R34

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## 4. FIRST AID MEASURES

**General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with soap and water.

**In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**In case of ingestion**

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Ensure adequate ventilation.  
Use personal protective clothing.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### Methods for cleaning up

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder).

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## 7. HANDLING AND STORAGE

### Advice on safe handling

Take the usual precautions when handling with chemicals.

### Advice on protection against fire and explosion

No special measures necessary.

### Further information on storage conditions

Keep container dry, tightly closed and store at cool and aired place.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC or 2006/15/EC)

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
7664-38-2	phosphoric acid	8 hours	1		
		Short-term	2		

### Respiratory protection

no

### Hand protection

Gloves (acid-resistant)

### Eye protection

safety goggles

### Skin protection

Acid-resistant protective clothing

### General protective measures

Avoid contact with eyes and skin

### Hygiene measures

At work do not eat, drink and smoke.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b> liquid	<b>Colour</b> colourless, clear	<b>Odour</b> odourless
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### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	< 2				
<b>starts to boil</b>	> 90 °C				
<b>Flash point</b>	not applicable				
<b>Density</b>	ca. 1,2 g/cm <sup>3</sup>				
<b>Solubility in water</b>					multimiscible

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

Reactions with metals, with evolution of hydrogen.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD 50 acute oral</b>	not determined			
<b>LD 50 acute dermal</b>	not determined			
<b>LC 50 acute inhalation</b>	not determined			

## 12. ECOLOGICAL INFORMATION

### Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not determined			
<b>Biological degradability</b>	not determined			

### 13. DISPOSAL CONSIDERATIONS

Waste code No.	Name of waste
06 01 06*	other acids

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

#### Recommendations for the product

Remove in accordance with local official regulations.

#### Recommendations for packaging

Totally emptied packaging may be taken for recycling.

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### 14. TRANSPORT INFORMATION

#### Land and inland navigation transport ADR/RID

UN 1760 corrosive liquid n.o.s. (Phosphoric acid), 8, III

#### Marine transport IMDG

UN 1760 Corrosive liquid, n.o.s., (Phosphoric acid), 8, III

#### Air transport ICAO/IATA-DGR

UN 1760 Corrosive liquid, n.o.s., (Phosphoric acid; solution), 8, III

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### ! 15. REGULATORY INFORMATION

#### Remarks for classification

The product is classified and labelled in accordance with EC directives.

#### Classification

**C** Corrosive

#### R-phrases

34 Causes burns.

#### S-phrases

1/2 Keep locked up and out of reach of children.

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

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### Hazardous ingredients for labeling

orthophosphoric-acid

#### National regulations

Water hazard class	1	VwVwS (17. 05. 1999)
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## 16. OTHER INFORMATION

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

### Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 34 Causes burns.