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

<b>Name of product</b>	Lithofin BERO
<b>Distributor</b>	CASDRON Enterprises Ltd. Wood End, Prospect Road, Alresford Hampshire SO24 9QF Phone 0 19 62 73 21 26, Fax 0 19 62 73 53 73
Advice	Technical Department Phone 0 19 62 73 21 26
<b>Manufacturer</b>	LITHOFIN AG Heinrich-Otto-Straße 42, D-73240 Wendlingen Phone +49 (0)7024 94 03-0
Advice	Labor Phone +49 (0)7024 9403-0 Fax +49 (0)7024 9403-40
Emergency advice	Phone +49 (0)7024 9403-0 (8.00-16.00 h) Phone +49 (0)7024 94 03-0
<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

**Additional advice**

These hazards apply to the contained raw materials in concentrated form. they have nothing to do with the labeling requirements of the finished product. The labeling requirements for the finished product are listed as item 15.

#### 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.

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#### 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

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**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form**

liquid

**Colour**

colourless, clear

**Odour**

odourless

**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			

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## 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			

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## 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 3 (not the classification of the formulation!)**

R 34 Causes burns.