

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

<b>Name of product</b>	Lithofin MN Power-Clean
<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

## 2. HAZARDS IDENTIFICATION

### Classification

Xi; R36

### R-phrases

36 Irritating to eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization

Alkaline cleaner

### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
67-63-0	200-661-7	propan-2-ol	< 15	F R11; Xi R36; R67
111-76-2	203-905-0	2-butoxyethanol	< 20	Xn R20/21/22; Xi R36/38
497-19-8	207-838-8	sodium carbonate	< 20	Xi R36

#### 4. FIRST AID MEASURES

**General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

**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
111-76-2	2-butoxyethanol	8 hours	98	20	skin
		Short-term	246	50	

**Hand protection**

chemical-resistant gloves

**Eye protection**

safety goggles

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**General protective measures**

Do not inhale vapours.

**Hygiene measures**

At work do not eat, drink and smoke.

**!9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form**

liquid

**Colour**

colourless, clear

**Odour**

pleasant

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	10 - 13				
<b>starts to boil</b>	> 90 °C				
<b>Flash point</b>	> 65 °C				
<b>Density</b>	ca. 1,1 g/cm <sup>3</sup>				
<b>Solubility in water</b>					multimiscible

**10. STABILITY AND REACTIVITY**

**Conditions to avoid**

No hazardous reactions known.

**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			

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

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### 13. DISPOSAL CONSIDERATIONS

**Waste code No.** 07 06 08\*      **Name of waste** other still bottoms and reaction residues

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 - no dangerous good

**Marine transport IMDG**

UN - no dangerous good

**Air transport ICAO/IATA-DGR**

UN - no dangerous good

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### ! 15. REGULATORY INFORMATION

**Remarks for classification**  
The product is classified and labelled in accordance with EC directives.

**Classification**  
Xi Irritant

**R-phrases**  
36 Irritating to eyes.

**S-phrases**  
2 Keep out of the reach of children.  
46 If swallowed, seek medical advice immediately and show this container or label.

**National regulations**

**Water hazard class** 2 VwVwS (17. 05. 1999)

## 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 11 Highly flammable.
- R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R 36 Irritating to eyes.
- R 36/38 Irritating to eyes and skin.
- R 67 Vapours may cause drowsiness and dizziness.