

**1. Identification of the substance/preparation**

<b>Name of product</b>	<b>Lithofin MN-Builder's Clean</b>
<b>Manufacturer/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
<b>Advice</b>	Technical Department Phone 0 19 62 73 21 26
<b>! Recommended intended purpose(s)</b>	
Cleaner	

**2. Composition/information on ingredients****Chemical characterization**

Acid cleaner

**Hazardous ingredients**

<b>CAS-No.</b>	<b>EC-No.</b>	<b>Name</b>	<b>[% weight]</b>	<b>Classification</b>
	231-595-7	Hydrochloric-acid	< 10	C R34; Xi R37
000110-65-6	203-788-6	but-2-yne-1,4-diol	< 3	T R23/25; Xn R21-48/22; C R34
007664-38-2	231-633-2	orthophosphoric-acid	< 25	C R34

**3. Special hazards information for man and environment****R-phrases**

36/38 Irritating to eyes and skin.

**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.

**5. Fire-fighting measures****Suitable extinguishing material**

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

**Special exposure hazards arising from the substance, combustible products or resulting gases**

Hydrogen chloride (HCl)

**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/taking up**

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

## 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.

## 8. Exposure controls / personal protection

### Hand protection

chemical-resistant gloves

### Eye protection

safety goggles

### 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

red

### Odour

pleasant

### Data relevant for safety

	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. 1,1 g/cm <sup>3</sup>				
<b>Solubility in water</b>					multimiscible

## 10. Stability and reactivity

### Conditions to avoid

No hazardous reactions known.

### Materials 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.** 06 01 99  
**Name of waste** wastes not otherwise specified

**Recommendations for the product**  
 Remove in accordance with local official regulations.

**Recommendations for packaging**  
 Totally emptied packaging may be taken for recycling.

**14. Transport information****Land and inland navigation transport (ADR/RID/GGVs/GGVE/ADNR)**

**Identification** corrosive liquid, n.o.s. (Hydrochloric acid)  
**UN-No.** 1760  
**Class** 8  
**PG** III  
**Hazard No.** 80

**Marine transport IMDG/GGV See**

**Proper shipping name** Corrosive liquid, n.o.s. (Hydrochloric acid)  
**UN-No.** 1760  
**Class** 8  
**PG** III  
**Marine pollutant** No  
**EmS-No.** 8-15

**Air transport ICAO/IATA**

**Proper shipping name** Corrosive liquid, n.o.s. (Hydrochloric acid; solution)  
**UN/ID-No.** 1760  
**Class** 8  
**PG** III

**! 15. Regulatory information****Remarks for classification**

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

**Classification**

**Xi** Irritant

**R-phrases**

36/38 Irritating to eyes and skin.

**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**

**Classification according to VbF/ remarks** VbF: is not subject to decree for combustible liquids.

**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 21 Harmful in contact with skin.

R 23/25 Toxic by inhalation and if swallowed.

R 34 Causes burns.

R 37 Irritating to respiratory system.

R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.