

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

Name of product	Lithofin CEMENT-AWAY
Distributor	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
Manufacturer	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
Recommended intended purpose(s)	Cleaner

!2. HAZARDS IDENTIFICATION

Classification

C; R34
Xi; R37

R-phrases

34 Causes burns.
37 Irritating to respiratory system.

!3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Acid cleaner

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
	231-595-7	hydrochloric acid ... %	< 25	C R34; Xi R37
110-65-6	203-788-6	but-2-yne-1,4-diol	< 3	C R34; T R23/25; Xn R21-48/22; R43
64-18-6	200-579-1	formic acid	< 90	C R35

! 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.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

Special exposure hazards arising from the substance or preparation itself, combustion products, 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

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

7. HANDLING AND STORAGE

Advice on safe handling

Use only in well-ventilated areas.

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

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

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
64-18-6	formic acid	8 hours	9	5	

Respiratory protection

Short term: filter apparatus, filter E

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

yellowish

Odour

pungent

Important health, safety and environmental information

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

10. STABILITY AND REACTIVITY

Conditions to avoid

Reactions with metals, with evolution of hydrogen.

Hazardous decomposition products

Hydrogen chloride (HCl)

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

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

12. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	not determined			
Biological degradability	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.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

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

Marine transport IMDG

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

Air transport ICAO/IATA-DGR

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

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.
37 Irritating to respiratory system.

S-phrases

1/2 Keep locked up and out of reach of children.
23.3 Do not breathe vapour.
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).
51 Use only in well-ventilated areas.

Hazardous ingredients for labeling

formic acid, Hydrochloric-acid

National regulations

Water hazard class 1 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 21 Harmful in contact with skin.
R 23/25 Toxic by inhalation and if swallowed.
R 34 Causes burns.
R 35 Causes severe burns.
R 37 Irritating to respiratory system.
R 43 May cause sensitisation by skin contact.
R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
