

1. Identification of the substance/preparation

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

2. 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
000064-18-6	200-579-1	formic-acid	< 90	C R35
000110-65-6	203-788-6	but-2-yne-1,4-diol	< 3	T R23/25; Xn R21-48/22; C R34

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

34	Causes burns.
37	Irritating to respiratory system.

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 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**

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**Ingredients with occupational exposure limits to be monitored**

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
000064-18-6	formic-acid	MAK, EU	9,5	5	Y

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

Data relevant for safety

	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 99	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

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

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

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 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 35 Causes severe burns.
R 37 Irritating to respiratory system.
R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.