

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

Name of product	Lithofin KF Limescale-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

R-phrases
no

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	< 10	C R34

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

No special measure necessary.

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.

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

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/m3]	[ppm]	Remark
7664-38-2	phosphoric acid	8 hours	1		
		Short-term	2		

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 light green	Odour pleasant
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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

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
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
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

15. REGULATORY INFORMATION

Remarks for classification
The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

R-phrases
no

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.
