

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

Name of product	Lithofin MN Outdoor Cleaner
Distributor	CDK Stone Pty Ltd 4-6 Freighter Road, Moorabbin, Victoria 3189 Phone 03 9553 3055
Advice	Technical Department Phone 03 9553 3055
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	Mo-Fr. 8.00-16.00 Phone +49 (0)7024 9403-0 Phone +49 (0)7024 94 03-0
Recommended intended purpose(s)	Cleaner

2. HAZARDS IDENTIFICATION

Classification

Xi; R36/38

R-phrases

36/38 Irritating to eyes and skin.

Special hazards information for humans and environment

Contact with acids releases toxic gas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Cleaner with hypochlorite

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
497-19-8	207-838-8	sodium carbonate	< 20	Xi R36
7681-52-9	231-668-3	sodium-hypochlorite	< 5	C R34; R31; N R50

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 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

Chlorine (Cl₂)

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

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. general-purpose binder).

7. HANDLING AND STORAGE

Advice on safe handling

Use only alkali-resistant equipment.

Use only in well-ventilated areas.

Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection

Short term: filter apparatus, Filter B

Hand protection

chemical-resistant gloves

Eye protection

safety goggles

Skin protection

Alkali-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	ca. 11,5 - 13,5				
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

Evolution of chlorine under influence of acids.

Materials to avoid

Reactions with reducing agents.

Hazardous decomposition products

Chlorine

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			

General regulation

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

13. DISPOSAL CONSIDERATIONS

Waste code No.	Name of waste
16 03 03*	inorganic wastes containing dangerous substances

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 - no dangerous good

Marine transport IMDG

UN - no dangerous goods

Air transport ICAO/IATA-DGR
UN - no dangerous good

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.
23.4 Do not breathe spray.
46 If swallowed, seek medical advice immediately and show this container or label.
50.1 Do not mix with acids.
51 Use only in well-ventilated areas.

Hazardous ingredients for labeling

sodium-hypochlorite

Special labelling for certain preparations

Warning! Do not use together with other products. May release dangerous gases (chlorine).

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 31 Contact with acids liberates toxic gas.
R 34 Causes burns.
R 36 Irritating to eyes.
R 50 Very toxic to aquatic organisms.