

Lithofin MN Power-Clean

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product

Lithofin MN Power-Clean

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended intended purpose(s)

Cleaner

1.3. Details of the supplier of the safety data sheet

Distributor

CDK Stone Pty Ltd
4-6 Freighter Road, Moorabbin, Victoria 3189
Phone 03 9553 3055

Advice

Technical Department
Phone 03 9553 3055

1.4. Emergency telephone number

Manufacturer

LITHOFIN AG
Heinrich-Otto-Straße 36, D-73240 Wendlingen
Phone +49 (0)7024 94 03-0, Fax +49 (0)7024 94 03-40

E-Mail info@lithofin.de
Internet www.lithofin.de

Advice

Labor
Phone +49 (0)7024 9403-0
Fax +49 (0)7024 9403-40
E-mail (competent person):
info@lithofin.de

1.4. Emergency telephone number

Emergency advice

Mo-Fr. 8.00-16.00
Phone +49 (0)7024 9403-0

! SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

Xi; R36

R-phrases

36 Irritating to eyes.

Additional hints

The preparation is classified as hazardous according Directive 1999/45/EC.

2.2. Label elements

Labelling according to 1999/45/EC

Remarks for labelling

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

Xi Irritant



Lithofin MN Power-Clean**R-phrases**

36 Irritating to eyes.

S-phrases

2 Keep out of the reach of children.

46 If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards**Adverse human health effects and symptoms**

Due to its pH-value (see chapter 9), irritation of the skin and eyes cannot be ruled out.

! Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients**3.1. Substances**

not applicable

3.2. Mixtures**Description**

Alkaline cleaner

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
67-63-0	200-661-7	propan-2-ol	< 15	F R11; Xi R36; R67
111-76-2	203-905-0	2-butoxyethanol	< 20	Xn R20/21/22; Xi R36/38
497-19-8	207-838-8	sodium carbonate	< 20	Xi R36

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.

Labelling for contents according to regulation (EC) No 648/2004, annex VII

GERANIOL (CAS 106-24-1)

5 % or over but less than 15 % non-ionic surfactants

perfumes

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Do not leave casualty unattended.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

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.

Remove contaminated clothing immediately, even underwear and shoes.

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.

Lithofin MN Power-Clean

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

water

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

Alcohol-resistant foam

ABC powder

Water spray jet

Unsuitable extinguishing media

no

5.2. Special hazards arising from the substance or mixture

no

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Do not inhale explosion and/or combustion gases.

Additional information

Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

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

Additional Information

no

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

While spraying wear respiratory protection.

Take the usual precautions when handling with chemicals.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Advice on protection against fire and explosion

No special measures necessary.

Lithofin MN Power-Clean**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in closed original container.
Ventilate store-rooms thoroughly.

Further information on storage conditions

Keep container dry, tightly closed and store at cool and aired place.

Do not store at temperature above 25°C (=77°F).

Do not keep at temperatures below 5°C.

Storage group 12

7.3. Specific end use(s)

No information available.

! SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
111-76-2	2-butoxyethanol	8 hours	98	20	skin
		Short-term	246	50	

biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
111-76-2	2-butoxyethanol	Butoxyessigsäure	100 mg/l	U	c
67-63-0	propan-2-ol	Aceton	50 mg/l	B	b
67-63-0	propan-2-ol	Aceton	50 mg/l	U	b

8.2. Exposure controls**Respiratory protection**

Breathing apparatus in the event of high concentrations.

Multi-purpose filter ABEK
(EN 14387, 133, 140, 149)

! Hand protection

Gloves (alkali-resistant)

The glove material (EN 374) must be impermeable and resistant to the product. The protective glove should always be checked to make sure it is suitable for the specific intended workstation (e.g. mechanical resistance, product compatibility).

Heed the manufacturer's specifications regarding permeability and breaching time, as well as instructions and information concerning application, storage and care.

The protective gloves should be replaced immediately if damaged or when first signs of wear appear. Design working cycles in such a way that gloves do not have to be worn permanently.

Since the product is made of several materials, the resistance of the glove materials cannot be predicted in advance and must be checked before use.

Hersteller/manufactor: KCL GmbH/Eichenzell-Germany; Ansell/Yarra City-Australia

Resistant to the hazardous substances listed in chapter 3:

Butyl rubber, 0,5 mm, > 8h

Fluororubber, 0,7 mm, > 8h

Eye protection

safety goggles

(EN 166)

Skin protection

Alkali-resistant protective clothing

(EN-ISO 20345, EN 13034, 14605,340-463-943-1, 943-2)

Lithofin MN Power-Clean**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Form**

liquid

Colour

colourless, clear

Odour

pleasant

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	ca. 10,5 - 12,5				
starts to boil	> 90 °C				
Flash point	> 35 °C				
Relative density	ca. 1,1 g/cm ³	ca. 23 °C			
Solubility in water					multimiscible
Viscosity Outflow time	< 30 s	ca. 23 °C		ISO 2431/3 mm	

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions known.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials**Materials to avoid**

No data available

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
LD50 acute oral	not determined			
LD50 acute dermal	not determined			
LC50 acute inhalation	not determined			

Lithofin MN Power-Clean**SECTION 12: Ecological information****12.1. Toxicity**

No information available.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects**Behaviour in sewage plant**

Treat by state-of-the-art technology before discharging into drains.

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.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste code No.**

07 06 08*

Name of waste

other still bottoms and reaction residues

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.

! SECTION 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

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

! SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations (EU)

Regulation (EC) No 648/2004 (Detergents regulation).

VOC standard

VOC value <150 g/L

! Remark

VOCV-Schweiz/OCOV-Suisse/OCOV-Svizzera:

105,1 g/ltr

National regulations

Other regulations, restrictions and prohibition regulations

Merkblatt A008: "Persönliche Schutzausrüstungen"

Merkblatt A010: "Betriebsanweisungen für Tätigkeiten mit Gefahrstoffen" (BGI 566)

Merkblatt A023: "Hand- und Hautschutz" (BGI 540)

Merkblatt M004: "Reizende Stoffe Ätzende Stoffe" (BGI 595)

Merkblatt M050: "Tätigkeit mit Gefahrstoffen" (BGI 564)

Merkblatt M 053: "Arbeitsschutzmaßnahmen bei Tätigkeiten mit Gefahrstoffen" (BGI 660)

TRGS 510 Lagerung von Gefahrstoffen in ortsbeweglichen Behältern

Water hazard class 2 VwVwS (17. 05. 1999)

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

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/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 36 Irritating to eyes.

R 36/38 Irritating to eyes and skin.

R 67 Vapours may cause drowsiness and dizziness.