

Lithofin MN Power-Clean

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles.

Body protection: Alkali-resistant protective clothing

9 Physical and chemical properties:**General Information**

Form: Liquid

Color: Colorless, clear

Odor: Pleasant

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
Change in condition			
Melting point/Melting range:	undetermined		
Boiling point/Boiling range:	> 90 °C		
Flash point:	> 65 °C		
Auto igniting:	Product is not selfigniting.		
Danger of explosion:	Product does not present an explosion hazard.		
Density:	at 20 °C ~ 1.1 g/cm ³		
Solubility in / Miscibility with Water:	Fully miscible		
pH-value:	at 20 °C 10-13 in delivery state		

10 Stability and reactivity**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Materials to be avoided: Acids

Dangerous reactions No dangerous reactions known

Dangerous products of decomposition:

No dangerous decomposition products known

11 Toxicological information**Acute toxicity:****LD/LC50 values that are relevant for classification:**

No toxicity data are available for the product itself.

Primary irritant effect:**on the skin:**

Caustic effects on mucous membranes and respiratory tract possible.

on the eye: Caustic effect

Sensitization: No sensitizing effects known.

Lithofin MN Power-Clean**Additional toxicological information:**

The product was classified as corrosive, because the pH-value is ≤ 2 or ≥ 11.5 . It is taken for granted that a pH-value of ≤ 2 or ≥ 11.5 will lead to the same results as experimental tests with corrosive substances do. Swallowing may lead to a strong caustic effect on mouth, throat and stomach.

12 Ecological information:**Ecotoxical effects:****Acquatic toxicity:**

Presently there are no ecotoxicological values available.

Remark: Harmful effects possible due to shift of pH value.

General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations**Product:****Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal according to instructions of local authorities.

Uncleaned packagings:**Recommendation:**

Disposal must be made according to official regulations.

Non contaminated packaging can be used for recycling.

14 Transport information**DOT regulations:**

Hazard class: 8

Identification number: UN1719

Packing group: III

Proper shipping name (technical name):

CAUSTIC ALKALI LIQUID, N.O.S. (sodium carbonate)

Label 8

Land transport ADR/RID (cross-border)

ADR/RID class: 8 (C5) Corrosive substances

Danger code (Kemler): 80

UN-Number: 1719

Packaging group: III

Label 8

Description of goods: 1719 CAUSTIC ALKALI LIQUID, N.O.S. (sodium carbonate)

Maritime transport IMDG:

IMDG Class: 8

UN Number: 1719

Label 8

Packaging group: III

EMS Number: F-A,S-B

Marine pollutant: No

Propper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (sodium carbonate)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8

UN/ID Number: 1719

Label 8

Lithofin MN Power-Clean

Packaging group: III
Proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (sodium carbonate)

15 Regulations

Carcinogen categories

EPA (Environmental Protection Agency)

void

IARC (International Agency for Research on Cancer)

67-63-0 propan-2-ol: 3

102-71-6 2,2',2''-nitrilotriethanol: 3

diethanolamine: 3

NTP (National Toxicology Program)

void

TLV (Threshold Limit Value established by ACGIH)

void

MAK (German Maximum Workplace Concentration)

void

NIOSH-Ca (National Institute for Occupational Safety and Health)

void

OSHA-Ca (Occupational Safety & Health Administration)

void

Markings according to EU guidelines:

Code letter and hazard designation of product: Corrosive

Risk phrases: Causes burns.

Safety phrases:

Keep locked up and out of the reach of children.

When using do not eat or drink.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing and gloves.

If swallowed, rinse mouth with water (only if the person is conscious)

Regulation or reporting requirements USA

Sara section 355

not listed

Sara section 313

67-63-0 propan-2-ol

Prop. 65 - Cancer

not listed

Prop. 65 - Repr. tox.

not listed

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS:

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