

SAFETY DATA SHEET



Alkal Gel



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	26.10.2021
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1.1. Product identifier

Product name	Alkal Gel
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Function	Description: Concentrated alkaline cleaner without foaming Code: PC35: Washing and cleaning products Description: su3 industrial uses
Product group	Cleaning agent
Main intended use	PC-TEC-OTH Other products for chemical or technical processes
Secondary uses	PC-TEC-12 Metal surface treatment products
Industrial use	Yes
Professional use	Yes
Consumer use	No

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name	Nordic Green Products AS
Office address	Idrettsvegen 113B
Postcode	5353
City	STRAUME
Country	Norway
Telephone number	+47 56126100
Email	post@ngproducts.no
Website	www.ngproducts.no
Enterprise No.	916488890MVA

Contact person	Raymond Engelsen
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1.4. Emergency telephone number

Emergency telephone	Telephone number: 113
	Description: Ambulance
	Telephone number: 22 59 13 00
	Description: Norwegian Poisoning Alarm Telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Acute Tox. 4; H302
	Skin Corr. 1; H314

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Warning
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Hazard statements	H314 Causes severe skin burns and eye damage.
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Precautionary statements	P264 Wash thoroughly after handling. P280 Wear protective gloves / protective clothing / eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. P310 Immediately call a POISON CENTER or doctor / physician.
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2.3. Other hazards

PBT / vPvB	No PBT/vPvB
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Inhibitor			< 2 %	
Thickener			< 2 %	
Potassium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8		~ 20 % vol/vol	
Sodium hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8 REACH Reg. No.:		~ 10 % vol/vol	

01-2119487136-33-0007

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Call 113 and provide the information in the MSDS if pain should occur. For emergency phone see also section 1.4
Inhalation	By ordinary handling develops no gases If medical advice is needed, have product container or label at hand. Move person to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Remove contaminated clothing. Immediately wash skin with soap and water. Contact a doctor immediately! Burns should be treated by a doctor. Wash contaminated clothing before use
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of persistent eye irritation: Get medical attention.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink milk. Seek medical attention in case of discomfort.

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

Acute symptoms and effects	Inhalation of vapors may be very irritating or corrosive to the respiratory tract. The chemical has a corrosive effect on the eyes and can cause permanent damage. Symptoms such as severe burning, watery eyes, redness and blurred vision may occur. In severe cases there is a risk of visual impairment / blindness. Burning and severe burns to the skin. Forms blisters and may cause ulceration. Corrosive if swallowed. Causes burning pain in mouth, throat and esophagus. Danger of major permanent damage
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	IF SWALLOWED: Treatment must be performed by a qualified healthcare professional. Contact a doctor and bring a data sheet.
Medical monitoring for delayed effects	Overvåk minst 48 timer
Other information	Ordinary symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	As appropriate for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is not flammable.
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5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
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Special protective equipment for firefighters	Wear protective gloves / protective clothing / goggles / face shield.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Flush with water Avoid breathing vapors
Personal protection measures	Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Environmental precautionary measures	The product is biodegradable but can cause acute poisoning of water and sea due to low pH. Therefore avoid large discharges to drains, water and ground.
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6.3. Methods and material for containment and cleaning up

Clean up	Collect the liquid with a suitable liquid-binding collection material
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6.4. Reference to other sections

Other instructions	Look at section 8 and 13
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective safety measures

Protective safety measures	Do not eat, drink or smoke while working.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store only in original container. Store in a closed container.
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Conditions for safe storage

Storage temperature	Value: > 4 °C
	Value: < 40 °C

7.3. Specific end use(s)

Specific use(s)	Look at section 1.2
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Potassium hydroxide	CAS No.: 1310-58-3	Peak limitation value Peak limitation value: 2 mg/ m ³ Exposure limit letter	

Letter code: T

Sodium hydroxide CAS No.: 1310-58-3

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls	Avoid breathing gas and aerosols. Wear ventilation or coveralls if natural ventilation is not sufficient.
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Eye / face protection

Eye protection	Goggles, Mask
Additional eye protection measures	Have eyewash equipment available at the workplace.

Hand protection

Suitable materials	PVC/Rubber/Latex
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Skin protection

Suitable protective clothing	Full personal protective clothing
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Respiratory protection

Recommended type of equipment	In case of inadequate ventilation wear respiratory protection
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Gel like liquid
Colour	Grayish
Odour	Sharp
pH	Status: In aqueous solution Value: > 13 Method: pH meter Temperature: 20 °C
Freezing point	Value: < -2 °C
Relative density	Value: ~ 1,29 Temperature: 20 °C
Solubility in water	Complete
Solubility	Medium: Water Temperature: = 20 °C

Viscosity	Value: ~ 3522 mPa.s Type: Kinematic
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9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Store dry. Store in a closed container.
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10.2. Chemical stability

Stability	Stable under normal storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal conditions.
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10.4. Conditions to avoid

Conditions to avoid	Keep cool. Protect from sunlight.
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10.5. Incompatible materials

Materials to avoid	Will react strongly with acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other toxicological data	Kommentarer: Akutt giftighet ved inntak av konsentrerte mengder.
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Symptoms of exposure

In case of ingestion	May cause burns to mucous membranes, pharynx, esophagus and stomach. Symptoms include severe burning pain in the mouth, throat and abdomen. Danger of perforation of the stomach when swallowing large amounts.
In case of skin contact	Burning and severe burns to the skin. Leads to blisters and burns
In case of inhalation	Aerosols can be corrosive. Inhalation of aerosols may cause burning in the nose and throat and cause difficulty breathing
In case of eye contact	Corrosive to the eyes. May cause severe burning and pain. Contact with a concentrated chemical can cause immediate serious eye damage, possibly loss of vision. Immediate first aid is needed.

11.2 Other information

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity, fish	Toxicity type: Acute
Ecotoxicity	Not classified as dangerous for the environment

12.2. Persistence and degradability

Persistence and degradability description/evaluation	Fully biodegradable
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	Completely biodegradable
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12.4. Mobility in soil

Mobility	Easy soluble
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Contains no PBT or vPvB substances
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12.6. Endocrine disrupting properties

12.7. Other adverse effects

Additional ecological information	In concentrated amounts, the pH will rise and lead to an acute danger of local fish death.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Rinse with water
EWC waste code	EWC waste code: 200115 alkalines Classified as hazardous waste: Yes
NORSAS	7133
Other information	To allow the liquid to drain, it must be mixed with copious amounts of water and neutralized.

SECTION 14: Transport information

Dangerous goods	Yes
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14.1. UN number

ADR/RID/ADN	3266
IMDG	3266

ICAO/IATA	3266
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14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
ADR/RID/ADN	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
IMDG	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
ICAO/IATA	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN	8
Classification code ADR/RID/ADN	C5

14.4. Packing group

ADR/RID/ADN	II
IMDG	II
ICAO/IATA	II

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Product name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
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Additional information

Hazard label ADR/RID/ADN	8
Hazard label IMDG	8
Hazard label ICAO/IATA	8

ADR/RID Other information

Tunnel restriction code	E
Transport category	2
Hazard No.	80

IMDG Other information

Additional information IMDG	No IBC-code for bulk transport offshore (MARPOL) The substance is not a "harmful substance" in accordance with the criteria in MARPOL Annex III; and does not contain any components which are known to be carcinogenic, mutagenic or reprotoxic (CMR).
EmS	F-A, S-B

SECTION 15: Regulatory information

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

References (laws/regulations)	Regulation on classification and labeling of hazardous chemicals, 16.07.2002 No. 1139 CLP Regulations, 16.06.2012. REACH regulation Annex II. Transportforskriften FOR 01.04.2009 No. 384.
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.
Version	2
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