



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	25.01.2023
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1.1. Product identifier

Product name	Rack Cleaner
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Function	Description: Especially suitable for cleaning Hydroniq Rack, Pleat and Tube Coolers. Cleaning of marine growth, oxides (rust), salts, lime, algae etc.
Product group	Cleaning agent
Use of the substance / mixture	HYDRONIQ's Rack Cooler, Pleat Cooler and Tube Cooler
Uses advised against	Corrodes galvanized and zinc metallized metal and surfaces treated with zincethylsilicate
Industrial use	Yes
Consumer use	Yes
The chemical can be used by the general public	Yes

1.3. Details of the supplier of the safety data sheet

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

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]	Eye Irrit. 2; H319
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2.2. Label elements

Hazard pictograms (CLP)



Signal word	Warning
Hazard statements	H314 Causes severe skin burns and eye damage.
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. P337+P313 If eye irritation persists: Get medical advice / attention.

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
Citric Acid	CAS No.: 5949-29-1	H319	< 30 %	
	EC No.: 201-069-1	Eye Irrit. 2		
	REACH Reg. No.: 01-2119457026-42-xxxx			
Phosphoric Acid	CAS No.: 7664-38-2 EC No.: 231-633-2	Skin Corr 1B	< 7 %	
Inhibitor			< 2 %	

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
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	emergency phone see also section 1.4
Inhalation	By ordinary handling develops no gases
Skin contact	Wash with plenty of soap and water.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

Delayed symptoms and effects	Skin will be reddened by exposure over time. Eyes will sting sharp depending on the amounts of products that are in the eyes.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Ordinary symptomatic treatment.
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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.
Hazardous combustion products	Phosphorus oxides (POx)

5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautionary measures	The product is non-toxic and biodegradable. By concentrated spills will dilution and use of base as lye neutralizing product.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Flush with water
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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

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

8.2. Exposure controls

Limitation of exposure on workplace	It must be used personal protective equipment. In cooperation with the supplier selected this according to the CEN standards.
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Safety signs



Eye / face protection

Eye protection	Goggles, Mask
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Hand protection

Hand protection	PVC/Rubber/Latex
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Skin protection

Skin protection (except hands)	Full personal protective clothing.
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Respiratory protection

Respiratory protection	In case of inadequate ventilation wear respiratory protection.
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Respiratory protection, general	Partial or full mask with dust filter in enclosed spaces.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
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Colour	None/gray
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Odour	Weak
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pH	Status: In aqueous solution Value: ≥ 2 Method: pH meter Temperature: 20 °C
Freezing point	Value: ≥ 2 Value: $< - 2$ °C
Relative density	Value: $\sim 1141,96$ kg/m ³ Temperature: 20 °C
Solubility in water	Complete

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

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

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Other information regarding health hazards

General	The amount of product exposed to the skin is equivalent to degree of irritation and possible damage.
Inhalation	May cause respiratory irritation
Eye contact	Causes serious eye irritation
Ingestion	Irritating to mucous membranes in mouth and throat

11.2 Other information

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Not classified as dangerous for the environment
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12.2. Persistence and degradability

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

Bioaccumulative potential	Completely
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12.4. Mobility in soil

Mobility	Easily soluble in water
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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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

EWC waste code	EWC waste code: EWC: 16 50 73 EWC: 12 03 01 aqueous washing liquids Classified as hazardous waste: No
EWL packing	Classified as hazardous waste: No

SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Comments	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ICAO or ADR/RID).
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14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

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,
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mutagenic or reprotoxic (CMR).

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.

15.2. Chemical safety assessment

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H319 Causes serious eye irritation.
Version	1
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