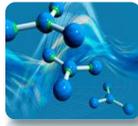


SAFETY DATA SHEET ALL-IN-ONE + GREEN ALGAE REMOVER

In accordance with Reg (EC) 1907/2006 & Reg (EU) 2020/878



NCR Chemicals LTD

SAFETY DATA SHEET

All-in-One + Green Algae Remover

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

1.1. Product identifier

Product name: All-in-One + Green Algae Remover

Product code: NOGAR

PCS Number: 103136

UFI: 5932-KR45-X10M-UVEC

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

Use of substance/ mixture: Removal of algae and lichen from tarmac and concrete surfaces

1.3. Details of the supplier of the safety data sheet

Company name: NCR Chem Ltd

Boula

Portumna

Co Galway

Email: ncrchemicalsltd@gmail.com

1.4. Emergency telephone number

Emergency medical information (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9, DOV2NO, Ireland (Republic of). **Tel:** +353 1 809 2166 (8 am-10 pm, members of the public) +353 1 837 9964 (24 hrs, Healthcare professionals).

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Section 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.

For the full text of the H-Phrases mentioned in this Section, see Section 16.

2.2. Label elements

According to Regulation (EC) No 1272/2008.

Danger symbol(s)



Hazard-phrase(s)

H314 Causes severe skin burns & eye damage
H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P260 Do not breathe mist or vapours.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of container in accordance with local regulations.

Section 3: composition/information on ingredients

Hazardous ingredients	Conc.	CAS No.	EINECS NO.	Pictograms/hazard symbols
Didecyltrimethylammonium chloride (DDAC (C8-10))	<20%	68424-95-3	270-331-5	H301,H311,H314,H318,H400,

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				H410
Ethanol	<2%	64-17-5	200-578-6	H226, H319

For the full text of the H-Phrases mentioned in this Section, see Section 16

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Causes burns. Wash off immediately with plenty of water. Remove contaminated clothing. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Take victim immediately to hospital.

Eye contact: Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Remove contact lenses. Keep eye wide open while rinsing. Protect unharmed eye. Continue rinsing eyes during transport to hospital. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

Ingestion: Clean mouth with water and drink plenty of water afterwards. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If unconscious, place in recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control centre immediately. Keep respiratory tract clear.

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

No data available

4.3. Indication of any immediate medical attention and special treatment

Treat symptomatically

Section 5: fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do NOT use high volume water jet.

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5.2. Special hazard arising from the substance or mixture

Exposure hazards: Heat or fire can release toxic gas. Do not allow run-off from fire fighting to enter drains or water courses.

5.3. Advice for fire fighters

Advice for fire fighters: Wear self contained breathing apparatus for firefighting. Use protective equipment. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment. Remove all sources of ignition. Use respirator when performing operations involving potential exposure to vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2. Environmental precautions

Avoid release into the environment. Collect spillage. Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and materials for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Non-sparking tools should be used.

6.4. Reference to other sections

For personnel protection see section 8

For disposal see section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Avoid formation of aerosol. Do not breathe vapours/dust. Wash hands immediately after using product.

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7.2. Conditions for safe storage, including any incompatibles

Store locked up. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed.

7.3. Specific end use(s):

Specific end use(s): A part from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure control/ Personal protection

8.1. Control parameters

Workplace exposure limits:

Component	CAS-N0.	Value	Control parameters	Basis
Didecyldimethylammonium chloride (DDAC (C8-10))	68424-95-3	OELV – 15 min (STEL)	.0001 mg/l	Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1
Ethanol	64-17-5	Oelv – 15 min (STEL)	1 000ppm	ACGIH

8.2. Exposure controls

Engineering measures: Ensure adequate ventilation of the working area. Handle in accordance with good hygiene and safety practice. Wash hands before breaks and at the end of workday

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from

Eye protection: Tight fitting goggles with side shields, or wide vision goggles. Do not wear contact lenses when handling this product. Individual pocket eyewash advisable.

Respiratory protection: In the case of vapour formation use a respirator with an approved filter. Respirator with ABEK filter.

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In accordance with Reg (EC) 1907/2006 & Reg (EU) 2020/878

Protective equipment: Protective overalls and safety shoes/boots.



Section 9: Physical and chemical properties

State: Liquid

Colour: bright pink

Odour: Slightly Alcoholic

Solubility in water: Soluble

Viscosity: 1-10

Boiling point/range °C: N/A

Melting point/ range °C: N/A

VOC g/l:

pH: 7-8.5

Section 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions:

Stable under recommended storage conditions.

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10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Other decomposition products - Nitrogen oxides (NOx), Carbon Oxides, hydrochloric acid. No composition if used as directed.

Section 11: Toxicological information

11.1. Information on Toxicological effect

Toxicity values: Bardac 2080

Substance	Species	Test	Value	Units
68424-95-1 <i>Didecyldimethylammonium chloride</i> (DDAC (C8-10))	Rat	Oral LD ₅₀	284	mg/kg
	Rabbit	Dermal DL50	397	

Symptoms/ routes of exposure

Skin contact: May be harmful if absorbed through skin. Irritation/burn.

Eye contact: Causes eye burns

Ingestion: Concentrate may cause burning of the throat and possible damage to internal organs.

Inhalation: No data available.

Section 12: Ecological information

12.1. Eco-toxicity

Eco-toxicity values: No data available

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In accordance with Reg (EC) 1907/2006 & Reg (EU) 2020/878

12.2. Persistence and degradability

All surfactants are readily degradable

12.3. Bio-accumulative potential

Bio-accumulative potential: no data available

12.4. Mobility in soil

Mobility: mobile

12.5. Results of PBT and vPvB assessment

PBT identification: This substance/mixture contains no components considered to be either persistent, bioaccumulative and Toxic (PBT), or very persistent and very Bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects

Other adverse effects: Potentially toxic to aquatic life

Section 13: Disposal considerations

Dispose of in compliance with all local and national regulations

13.1 Waste treatment methods

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Local and national regulations.

Section 14: Transport information

UN-Number

ADR	UN2920
IMDG	UN2920
IATA	UN2920

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In accordance with Reg (EC) 1907/2006 & Reg (EU) 2020/878

• UN proper shipping name

ADR 2920 CORROSIVE LIQUID, N.O.S.(DIALKYLDIMETHYLAMMONIUM CHLORIDE, ETHANOL)

IMDG CORROSIVE LIQUID, N.O.S. (DIALKYLDIMETHYLAMMONIUM CHLORIDE, ETHANOL)

IATA CORROSIVE LIQUID, N.O.S. (DIALKYLDIMETHYLAMMONIUM CHLORIDE, ETHANOL)

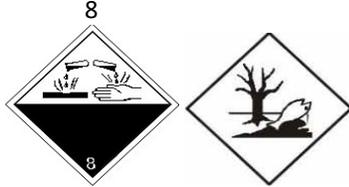
• Transport hazard class(es)

ADR

8 (C9) Corrosive substances.

Class

Label

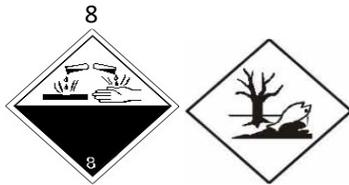


IMDG

Class

Label

8 Corrosive substances.



IATA

Class

Label

8 Corrosive substances.



• Packing group

ADR II

IMDG II

IATA II

• Environmental hazards:

Marine pollutant: Yes

• Special precautions for user

Warning: Corrosive substances.

Danger code (Kemler): 83

EMS Number: F-E,S-C

• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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• *Transport/Additional information:*

Not applicable.

Excepted quantities (EQ): E1

Limited quantities (LQ) 1L

Transport category 3

Tunnel restriction code E

Section 15: Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Section 16: Other information

Full text of H-phrases referred to under sections 2 and 3

H314 Causes severe skin burns & eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.