

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: 96942

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

1.3. Details of the supplier of the safety data sheet

Company name: NCR Chem Ltd

Boula

Portumna

Co. Galway

Tel: +353 (0) 71 9640967

Fax: +353 (0) 71 9640967

Email: ncrchemicalsltd@gmail.com

1.4. Emergency telephone number

Emergency contact number: National Poisons Centre, Beaumont Hospital, Dublin 9, IRELAND (REPUBLIC OF) Tel: +353 1 809 2166 (public) +353 1 837 9964 (medical professionals)

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

Section 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Causes severe skin burns & eye damage. 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
H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P273 Avoid release to the environment.
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.
P302+P352 IF ON SKIN: Wash with plenty of water/...
P310 Immediately call a POISON CENTRE or doctor/ physician.
P391 Absorb spillage.
P501 Dispose of container in accordance with local regulations.

Section 3: composition/information on ingredients

Hazardous ingredients	Conc.	CAS No.	EINECS NO.	Symbols/Risk phrases
Benzalkonium Chloride	10-20%	68424-85-1	270-325-2	H314,H411

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

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

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. Seek medical attention if irritation or symptoms persist.

Eye contact: Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.

Ingestion: Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention

Inhalation: Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea

4.3. Indication of any immediate medical attention and special treatment

No data available

Section 5: fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazard arising from the substance or mixture

Exposure hazards: Nature of decomposition products not known.

5.3. Advice for fire fighters

Advice for fire fighters: Wear self contained breathing apparatus for firefighting if necessary.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2. Environmental precautions

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.

6.4. Reference to other sections

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

7.2. Conditions for safe storage, including any incompatibles

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
Benzalkonium chloride	68424-85-1	OELV – 15 min (STEL)	2 mg/m ³	Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

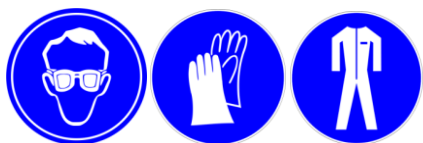
8.2. Exposure controls

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.

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 data available

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions:

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Other decomposition products - no data available

Section 11: Toxicological information

11.1. Information on Toxicological effect

Toxicity values: Benzalkonium Chloride

Substance	Species	Test	Value	Units
68424-85-1 Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides	Rat	Oral LD ₅₀	397.5	mg/kg
	Rabbit	Dermal DL50	3412	

Symptoms/ routes of exposure

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

Eye contact: Causes eye burns

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

Inhalation: Concentrate may be harmful if inhaled. Material is extremely destructive to the tissue of mucous membranes and upper respiratory tract.

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

Section 12: Ecological information

12.1. Eco-toxicity

Eco-toxicity values:

Substance	Species	Test	Value	Units
68424-85-1 Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides	Daphnia magna (water flea)	CE50	0,016	mg/L
	Fish	CL50	0,515	mg/L

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: no data available

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.

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

Section 14: Transport information

UN-Number

ADR UN1760

IMDG UN1760

IATA UN1760

• UN proper shipping name

ADR 1760 CORROSIVE LIQUID, N.O.S. (ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE)

IMDG CORROSIVE LIQUID, N.O.S. (ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE)

IATA CORROSIVE LIQUID, N.O.S. (ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE)

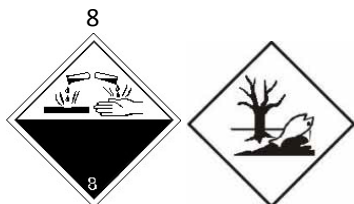
• Transport hazard class(es)

ADR

Class

Label

8 (C9) Corrosive substances.

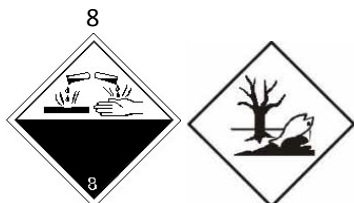


IMDG

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

SAFETY DATA SHEET ALL-IN-ONE GREEN ALGAE REMOVER

Warning: Corrosive substances.

Danger code (Kemler): 80

EMS Number: F-A,S-B

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

Not applicable.

• **Transport/Additional information:**

Not applicable.

Excepted quantities (EQ): E2

Limited quantities (LQ) 1L

Transport category 2

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.

H411 Toxic to aquatic life with long lasting effect.

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.