
According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

SECTION 1 - Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product name: Wet & Forget Mould, Lichen and Algae Remover
Manufacturer's product code: 5L / 10580 2L / 10570 4L / 10520
UFI 7000-A0PG-V008-2NAT

1.2 Relevant identified uses of the substance and uses advised against

1.2.1 Relevant identified uses:

Product for use as a surface biocide

1.2.2 Uses advised against

No specific uses advised against. Use only as directed on the label.

1.3 Details of the supplier of the Safety Data

Manufacturer

Wet & Forget (NZ) Ltd
8 Emirali Road
Silverdale, Auckland 0932
New Zealand

Phone: + 64 9 476 4440
Email: sales@wetandforget.co.nz

UK Contact

Wet & Forget Ltd
Aquis House
49-51 Blagrove Street
Reading
Berkshire
RG1 1PL, UK

Telephone 0333 900 7007 or 0800 999 3309

EU Contact

Wet & Forget GmbH
Dr.-Karl-Aschoff-Straße 9 (AtiQ)
55543 Bad Kreuznach
Germany

1.4 Emergency telephone number

For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call
CHEMTREC Toll Free 1-800-424-9300 or +44 20 3885 03

SECTION 2 - Hazards Identification

2.1 Classification of the product

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Hazardous to the aquatic environment – Acute Hazard, H400 Category 1	
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects:

Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

2.2 Label Elements

Labelling according to Regulation (EC) 1272/2008 [CLP/GHS]

Pictograms:



Signal Word: **DANGER**

Hazard statements (CLP):

H315	Causes skin irritation.
H318	Causes serious eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Contains: N-Dodecyl Hexadecyl- N,N-dimethyl benzyl ammonium chloride

Precautionary Statements (CLP):

P102	Keep out of reach of children.
P280	Wear protective gloves/eye protection.
P302+P352	IF ON SKIN - Wash with plenty of soap and water.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. Immediately call a POISON CENTER, a doctor.
P391	Collect spillage.
P501	Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other Hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3 - Composition/Information on Ingredients

3.1 Substance Not applicable

3.2 Mixture

This mixture is a solution containing N-Dodecyl Hexadecyl-N,N-dimethyl benzyl ammonium chloride

The substances classified according to Regulation (EC) 1272/2008 present in this mixture are reported in the following table

Chemical Name (CA)	Common name	CAS Number	EC Number	% (w/w)	Classification according to Regulation (EC) 1272/2008
N-Dodecyl Hexadecyl-N,N-dimethyl benzyl ammonium chloride	Benzalkonium chloride	68424-85-1	270-325-2	9.9	Acute Tox 4 (Oral), H302 Skin Corr 1 B, H314 Eye Dam 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400, M=10 Aquatic Chronic 1, H410 M=1

Full text of H- and EUH statements: see section 16

SECTION 4 - First Aid Measures

4.1 Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatments needed

Treat symptomatically.

SECTION 5 - Fire Fighting Measures

5.1 Suitable Extinguishing Media

Use extinguishing media appropriate to the situation of the fire and its surrounding area. Foam, dry powder, carbon dioxide and water mist are all suitable extinguishing media.

5.2 Special Hazards arising from the substance or mixture

There are no unusual fire or explosion hazards associated with this product.

5.3 Advice for firefighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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SECTION 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	Ventilate spillage area. Avoid contact with skin and eyes
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6.1.2. For emergency responders

Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection"
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6.2. Environmental precautions

Avoid release to surface water or drains. Spills need to be collected where possible.

6.3 Methods and materials for containment and clearing up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4 References to other sections

See Section 7 for information on safe handling. Concerning personal protective equipment to use, see section 8. See Section 13 for disposal information.

SECTION 7 - Handling and Storage

7.1 Precautions for safe handling

7.1.1 Protective measures

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment

7.1.2 Advice on general occupational hygiene

Remove contaminated clothing and protective equipment before entering eating areas. For further information refer to section 8: "Exposure controls/personal protection". Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry. Do not store in unlabelled containers. Use appropriate container to avoid environmental contamination. Containers which are opened should be properly resealed and kept upright to prevent leakage. Refer to Section 10 on Incompatible Materials. Store in a well-ventilated place. Keep cool.

7.3 Specific end use

This product is for use as a surface biocide for cleaning exterior surfaces.

SECTION 8 - Exposure Controls/ Personal Protection

8.1 Control Parameters

None of the components of the mixture currently have exposure limit values.

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

Ventilation: In processes where mists may be generated, proper ventilation must be provided in accordance with good ventilation practices, with air exchange at least 3 air changes per hour.

8.2.2 Personal protection

Eye/face protection: Safety goggles should be worn while handling concentrated product

Skin protection: PVC gloves should be worn when handling this product.

Respiratory protection: Not necessary during normal use

8.2.3 Environmental exposure controls.

Use the product in accordance with label instructions. Avoid unnecessary release to drains and waterways.

SECTION 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Physical state	Mobile liquid
b) Colour	Blue
c) Odour	Sweet / almond
d) Melting point/freezing point	Freezing < 0 C
e) Boiling point or initial boiling point and boiling range	Boiling > 100 C
f) Flammability	Will not support combustion
g) Lower and upper explosion limit	Not applicable; not considered potentially explosive
h) Flash point	Flashpoint > 100C. Will not support combustion
i) Auto-ignition temperature	Will not combust
j) Decomposition temperature	No specific instability, but store under 40 C
k) pH	Neutral pH 7 - 8
l) Kinematic viscosity	As for water
m) Solubility	Miscible in water

n) Partition coefficient n-octanol/water (log value)	None of the components are considered accumulative
o) Vapour pressure	As for water
p) Density and/or relative density	Relative density similar to water, 0.99
q) Relative vapour density	Not applicable
r) Particle characteristics	Liquid

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No Data Available

9.2.2 Other safety characteristics

No Data Available

SECTION 10 - Stability and Reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

Avoid contact with strong oxidising/reducing agents.

10.6 Hazardous decomposition products

Toxic organic vapours/fumes, amines, CO, CO₂, nitrogen oxides, hydrogen chloride may be released during decomposition.

SECTION 11 - Toxicological Information

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

(a) acute toxicity	Based on available data, the classification criteria are not met Estimated ATE > 2000 mg/kg
(b) skin corrosion/irritation	Causes skin irritation In-vitro skin irritation testing confirms mixture is not classified as Corrosive
(c) serious eye damage/irritation	Will damage eyes without immediate first aid
(d) respiratory/skin sensitisation	Based on the ingredients, the product is not expected to cause an allergic skin reaction
(e) germ cell mutagenicity	Based on available data, the classification criteria are not met None of the components are considered to be mutagenic
(f) carcinogenicity	Based on available data, the classification criteria are not met None of the components are considered to be potential carcinogens
(g) reproductive toxicity	Based on available data, the classification criteria are not met None of the components are considered to be toxic for reproduction
(h) STOT-single exposure	Based on available data, the classification criteria are not met None of the components are considered to damage organs
(i) STOT-repeated exposure	Based on available data, the classification criteria are not met None of the components are considered to damage organs
(j) aspiration hazard	Based on available data, the classification criteria are not met The material is not a hydrocarbon

11.2 Information on other hazards

No other health hazards

SECTION 12 - Ecotoxicological Information

12.1 Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride (68424-85-1)	
LC50 - Fish [1]	0.515 mg/kg <i>Lepomis macrochirus</i> (Bluegill sunfish)
EC50 - Crustacea [1]	0.016 mg/l <i>Daphnia magna</i> (Water flea)
EC50 72h - Algae [1]	0.049 mg/l <i>Pseudokirchneriella subcapitata</i>
NOEC chronic fish	0.0322 mg/l <i>Pimephales promelas</i>
NOEC chronic crustacea	≥ 0.00514 mg/l <i>Daphnia magna</i> (Water flea)
NOEC chronic algae	0.01 mg/l

12.2 Persistence and degradability

Benzalkonium chloride is rapidly biodegradable in conditions below 20 ppm

12.3 Bioaccumulative potential

Benzalkonium chloride is not considered to be bioaccumulative
No other organic components considered accumulative

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

Not considered PBT and vPvB assessment
A chemical safety assessment has been carried out for biocidal product Authorisation

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13 - Disposal Considerations

13.1 Waste treatment methods

13.1.1 Product/Packaging disposal

Packaging should be triple rinsed; washings should be added to the mixing spray tank.
Plastics should be sent for recycling or buried in landfill.

The waste treatment code for this product is 20 01 19 municipal wastes and similar commercial, industrial and institutional wastes: Biocides.

Wet and Forget Mould, Lichen and Algae Remover (UK & EU)

SAFETY DATA SHEET

Date of Issue: 26 July 2023

13.2 Waste treatment information


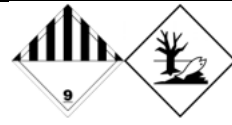
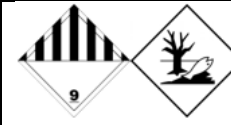
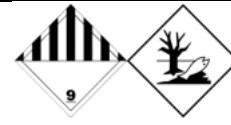
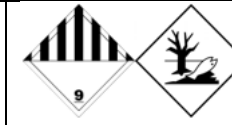
Waste should not be disposed of by release to sewers.

13.3 Additional information

Ensure compliance with EC, national and local regulations. Do not dispose of wastes in the local sewer or drainage system


SECTION 14 - Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
Special provision(s) applied : 375	Special provision(s) applied : 969	Special provision(s) applied : A197	Special provision(s) applied : 375	Special provision(s) applied : 375
These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.				
14.1 UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2 UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride)	Environmentally hazardous substance, liquid, n.o.s. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride)
Transport document description (ADR)				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (test_N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland Transport

Classification code (ADR)	:	M6
Special provisions (ADR)	:	274, 335, 375, 601
Limited quantities (ADR)	:	5I
Excepted quantities (ADR)	:	E1
Packing instructions (ADR)	:	P001, IBC03, LP01, R001
Special packing provisions (ADR)	:	PP1
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T4
Portable tank and bulk container special provisions (ADR)	:	TP1, TP29
Tank code (ADR)	:	LGBV
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Special provisions for carriage - Loading, unloading and handling (ADR)	:	CV13
Hazard identification number (Kemler: No.)	:	90
Orange plates	:	
Tunnel restriction code (ADR)	:	-
EAC code	:	•3Z

Transport by Sea

Special provisions (IMDG)	:	274, 335, 969
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	LP01, P001
Special packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-F
Stowage category (IMDG)	:	A
Flash point (IMDG)	:	
Properties and observations (IMDG)	:	

Air Transport

PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y964
PCA limited quantity max net quantity (IATA)	30kgG
PCA packing instructions (IATA)	964
PCA max net quantity (IATA)	450L
CAO packing instructions (IATA)	964
CAO max net quantity (IATA)	450L
Special provisions (IATA)	A97, A158, A197, A215
ERG code (IATA)	9L

Inland Waterway Transport

Classification code (ADN)	M6
Special provisions (ADN)	274, 335, 375, 601
Limited quantities (ADN)	5 L
Excepted quantities (ADN)	E1
Carriage permitted (ADN)	T
Equipment required (ADN)	PP
Number of blue cones/lights (ADN)	0
Additional requirements/Remarks (ADN)	

Rail Transport

Classification code (RID)	M6
Special provisions (RID)	274, 335, 375, 601
Limited quantities (RID)	5L
Excepted quantities (RID)	E1
Packing instructions (RID)	P001, IBC03, LP01, R001
Special packing provisions (RID)	PP1
Mixed packing provisions (RID)	MP19
Portable tank and bulk container instructions (RID)	T4
Portable tank and bulk container special provisions (RID)	TP1, TP29
Tank codes for RID tanks (RID)	LGBV
Transport category (RID)	3
Special provisions for carriage – Packages (RID)	W12
Special provisions for carriage - Loading, unloading and handling (RID)	CW13, CW31
Colis express (express parcels) (RID)	CE8
Hazard identification number (RID)	90

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

IBC code	Not applicable.
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SECTION 15 - Regulatory Information

15.1 Safety health and environmental regulations specific for the substance

This safety data sheet has been compiled according to the requirements of Regulation (EC) No 1907/2006 as amended

Wet & Forget is approved in UK under the Control of Pesticide Regulations 1986 (as amended) for use as a surface biocide on external surfaces.

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	100	200

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for REACH.

SECTION 16 - Other Information

16.1 Indication of changes

This version of the SDS for Wet & Forget is based on EU/UK Regulations, June 2022
It updates the previous Safety Data Sheet dated 10th March 2015

16.2 Abbreviations and acronyms

CAS: Chemical Abstracts Service
EC: Emulsifiable Concentrate
IUPAC: International Union of Pure and Applied Chemistry
PBT: Persistent Bioaccumulative Toxic
vPvB: Very persistent very bioaccumulative

16.3 Key literature references and sources for data

Information used in the preparation of this Safety Data Sheet has come from information provided by Wet & Forget and the UK Health & Safety Executive. Endpoints for Benzalkonium Chloride were reported by the Pesticide Properties Data Base

16.4 Classification and procedure used to derive the classification according to Regulation (EC) 1272/2008 (CLP)

The classification as Skin Irritant has been derived from test data.

Environmental and health classification is based on calculation methods, using primary data from ECHA web-site for benzalkonium chloride: Source: European Chemicals Agency, <http://echa.europa.eu/> June 2022

16.5 Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

16.6 Training advice

Read instructions for use before using this product.

16.7 Further information

This SDS supersedes all previous issues. It summarises our best knowledge of the health and safety hazard information of the product. All users should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Since the actual use of this product is beyond the control of Wet & Forget (NZ) Ltd, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.