



Alpha Power Cleaning

MAINTENANCE CHEMICALS

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Moss & Algae Remover

Revision 2

Revision date 2018-03-15

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

1.1. Product identifier

Product name	Moss & Algae Remover
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);
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1.3. Details of the supplier of the safety data sheet

Company	Alpha Power Cleaning
Address	Rosslyn House Stoneleigh Rd Bubbenhall Coventry CV8 3BS
Web	www.alphapowercleaning.com
Telephone	024 7630 4194
Fax	
Email	info@alphapowercleaning.com
Email address of the competent person	info@alphapowercleaning.com

1.4. Emergency telephone number


Emergency telephone number	024 7630 4194 8.00 am - 4.30 pm Mon - Fri If out of these hours, please call NHS, non emergency, on 111.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Dam. 1: H318;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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2.2. Label elements

lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a POISON CENTER/doctor/ .
 P321 - Specific treatment (see on this label).
 P332+P313 - If skin irritation occurs: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	612-140-00-5	63449-41-2	264-151-6	01-2119970550-39	1 - 10%	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Ethanol	603-002-00-5	64-17-5	200-578-6	01-2119457610-43	0 - 0.5%	Flam. Liq. 2: H225;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	No irritation expected.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. If you feel unwell, seek medical advice (show the label where possible).
Skin contact	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. If you feel unwell, seek medical advice (show the label where possible).

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

Inhalation	No irritation expected.
Eye contact	Irritating to eyes.
Skin contact	Irritating to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If unsure, seek medical attention/advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable gloves. Safety glasses.

6.2. Environmental precautions

No environmental requirements.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Dispose of this material and its container to hazardous or special waste collection point. Clean spillage area thoroughly with plenty of water.

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6.4. Reference to other sections

See Section 7 for handling information. See Section 8 for personal protection information. See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area.

Suitable packaging

Store in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm:	1000	WEL 8-hr limit mg/m ³ :	1920
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m ³ :	-
	WEL 8-hr limit mg/m ³ total	-	WEL 15 min limit mg/m ³ total	-
	inhalable dust:	-	inhalable dust:	-
	WEL 8-hr limit mg/m ³ total	-	WEL 15 min limit mg/m ³ total	-
	respirable dust:	-	respirable dust:	-

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Ethanol	Acute inhalation - Local effects	1900 mg/m ³	Long-term - dermal - Systemic effects	343 mg/kg
	Long-term - inhalation - Systemic effects	950 mg/m ³		
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	Long-term - inhalation - Systemic effects	3.96 mg/m ³	Long-term - dermal - Systemic effects	5.7 mg/kg
	Long-term - dermal - Systemic effects	5.7 mg/kg		

Exposure Pattern - General population

Ethanol	Acute inhalation - Local effects	950 mg/m ³	Long-term - dermal - Systemic effects	206 mg/kg
	Long-term - inhalation - Systemic effects	114 mg/m ³		
	Long-term - oral - Systemic effects	87 mg/kg		
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	Long-term - inhalation - Systemic effects	1.64 mg/m ³	Long-term - dermal - Systemic effects	3.4 mg/kg
	Long-term - oral - Systemic effects	3.4 mg/kg		

8.2. Exposure controls

Eye / face protection	Safety glasses.
Skin protection - Handprotection	Nitrile rubber gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Not normally required.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Odour threshold	Not required
pH	Not determined
Melting point	0
Initial boiling point	100
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper Explosive Limit	Not determined
Lower Explosive Limit	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1 - 1.05
Partition coefficient (n-octanol/water)	Not determined
Autoignition temperature	Not determined
Viscosity	Not determined
Explosive properties	Product is considered non-explosive
Oxidising properties	Product is considered non-oxidising.
Solubility	Soluble in water

SECTION 10: Stability and reactivity**10.1. Reactivity**

No precautions required to be mentioned.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Strong acids.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Irritating to eyes.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No reproductive toxicity effects reported.
STOT-single exposure	No target organ toxicity effects reported.

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11.1. Information on toxicological effects

STOT-repeated exposure	No target organ toxicity effects reported.
Aspiration hazard	No aspiration hazards reported.

11.1.4. Toxicological Information

Ethanol	Oral Rat LD50: >2000 mg/kg Inhalation Rat LC50/4 h: >20 mg/l	Dermal Rabbit LD50: >2000 mg/kg
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	Oral Rat LD50: 397.5 mg/kg	Dermal Rabbit LD50: 3412 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ethanol	Daphnia EC50/48h: 100 mg/l	
Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	Daphnia EC50/48h: 0.0160 mg/l Fish LC50/96h: 0.5150 mg/l Lepomis_Macrochirus LC50/96h: 0.31 mg/l	Algae IC50/72h: 0.0300 mg/l Rainbow trout LC50/96h: 0.85 mg/l

12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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12.6. Other adverse effects

	No data is available on this product.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of this material and its container to hazardous or special waste collection point.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: <ul style="list-style-type: none"> 2 - 2.1. Classification of the substance or mixture. 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Response. 12 - 12.1. Toxicity. 15 - Labelling. 15 - Hazard Statement. 15 - Safety phrases.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Flam. Liq. 2: H225 - Highly flammable liquid and vapour.