Safety Data Sheet

Power Maxed Anti-Bac Surface Cleaner

Date: 20/03/2020

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Power Maxed Anti-Bac Surface Cleaner

Product Code: PMASC500

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

Identified uses Surface sanitiser. Manual process

Uses advised against: Uses other than those identified are not recommended

1.3. Details of the supplier of the safety data sheet

Supplier:

Automotive Brands
Weston Road
Bretforton
Evesham
Worcestershire
WR11 7QA, United Kingdom

Tel: +44(0)1789 330668

Email: info@powermaxed.com

1.4. Emergency telephone number

During office hours (8am – 4:30pm) +44(0)1789 330668. Out of hours please contact NHS 111 (England and Wales) or NHS 24 (Scotland) – dial 111, or in case of an emergency call a doctor or the emergency services immediately.

SECTION 2. HAZARDS INDENTIFICATION

2.1. Classification of the substance or mixture

Aquatic Chronic 2 (H411)

2.2. Label elements

Label in Accordance With (Ec) No. 1272/2008

Signal Word Not applicable

Hazard Pictogram

Hazard Statements H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements P102: Keep out of reach of children
P501 - Dispose of unused content as chemical waste.

2.3. Other Hazards

No other hazards known.

The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Regulation (EC) No. 1272/2008 (CLP)					
Ingredient	CAS Number	EC Number	REACH Registration Number	Classification according to Regulation 1272/2008	Content (W/W)
Alkyldimethylbenzylammonium chloride	68424-85-1	270-325-2	No data available	Skin Corr. 1B (H314) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.1-1.0 %

* Polymer.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included

for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

SECTION 4. FIRST AID MESAURES

4.1. Description of first aid measures

General

Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.

Inhalation

Get medical attention or advice if you feel unwell.

Ingestion

Rinse mouth. Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.

Skin Contact

Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

Eye Contact

Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.

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

Inhalation

No known effects or symptoms in normal use.

Ingestion

No known effects or symptoms in normal use.

Skin Contact

No known effects or symptoms in normal use.

Eye Contact

No known effects or symptoms in normal use.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing Media

Extinguishing Media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

No special hazards known.

5.3. Advice for Firefighters

As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

5.4. Protective Measures in Fire

Special Fire Fighting Procedures

No information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No special measures required.

6.2. Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

6.4. Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Measures to prevent fire and explosions:

No special precautions required.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless advised by manufacturer. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required. Use only with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original container. Store in a closed container.
For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3. Specific end Use(s)

No specific advice for end uses available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Workplace exposure limits

Air limit values, if available:

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values

Human exposure

DNEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Alkyldimethylbenzylammonium chloride	-	-	-	3.4

DNEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
Alkyldimethylbenzylammonium chloride	-	-	-	5.7

DNEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
Alkyldimethylbenzylammonium chloride	-	-	-	3.4

DNEL inhalatory exposure - Worker (mg/m3)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Alkyldimethylbenzylammonium chloride	-	-	-	3.96

DNEL inhalatory exposure - Consumer (mg/m3)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
Alkyldimethylbenzylammonium chloride	-	-	-	1.64

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
Alkyldimethylbenzylammonium chloride	0.0009	0.00009	0.00016	0.4

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m3)
Alkyldimethylbenzylammonium chloride	0.267	0.0267	7	-

8.2. Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.
If available, please refer to the product information sheet for application and handling instructions.
Normal use conditions are assumed for this section.
Recommended safety measures for handling the undiluted product:

Appropriate engineering controls

Provide a good standard of general ventilation.

Appropriate organisational controls

Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment

Eye / face protection

Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).

Hand protection

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

Body protection

No special requirements under normal use conditions.

Respiratory protection

Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

Environmental exposure controls

Should not reach sewage water or drainage ditch undiluted or unneutralised.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Appearance	Liquid
Colour	Purple
Odour	Product specific
Odour Threshold	Not applicable
Melting Point/Freezing Point (°C)	Not determined
Initial boiling point and boiling range (°C)	Not determined
pH-Value	≈ 11 (neat)

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
Alkyldimethylbenzylammonium chloride	> 107	Method not given	

Flash Point (°C)	Not applicable
Sustained combustion	Not applicable *(UN Manual of Tests and Criteria, section 32, L.2)*
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability limit (%)	Not determined

Substance data, flammability or explosive limits, if available

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
Alkyldimethylbenzylammonium chloride	-	-

Vapour Pressure	Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
Alkyldimethylbenzylammonium chloride	2300	Method not given	20

Vapour density	Not determined
Relative density	≈ 1.00 (20 °C)
Solubility in / Miscibility with Water	Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
Alkyldimethylbenzylammonium chloride	Soluble	Method not given	

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Autoignition temperature	Not determined
Decomposition temperature	Not applicable
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not oxidising

9.2. Other Information

Surface tension (N/m): Not determined Not relevant to classification of this product

Corrosion to metals: Not corrosive (Not relevant to classification of this product)

Substance data, dissociation constant, if available:

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2. Chemical stability

Stable under normal storage and use conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4. Conditions to avoid

None known under normal storage and use conditions.

10.5. Incompatible materials

Materials to avoid

Reacts with acids.

10.6. Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Alkyldimethylbenzylammonium chloride	LD 50	398	Rat		

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Alkyldimethylbenzylammonium chloride	LD 50	800 - 1420	Rat	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Alkyldimethylbenzylammonium chloride	LD 50	398	Rat		

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Alkyldimethylbenzylammonium chloride	Corrosive		Method not given	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Alkyldimethylbenzylammonium chloride	Severe damage		Method not given	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Alkyldimethylbenzylammonium chloride	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Alkyldimethylbenzylammonium chloride	Not sensitising		Method not given	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Alkyldimethylbenzylammonium chloride	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
Alkyldimethylbenzylammonium chloride	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	

Carcinogenicity

Ingredient(s)	Effect
Alkyldimethylbenzylammonium chloride	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Method (in-vivo)	Species	Method	Exposure time	Remarks and other effects reported
Alkyldimethylbenzyl-ammonium chloride			No data available					

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Method (in-vivo)	Species	Method	Exposure time (days)	Specific effects and organs affected
Alkyldimethylbenzyl-ammonium chloride		No data available					

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Method (in-vivo)	Species	Method	Exposure time (days)	Specific effects and organs affected
Alkyldimethylbenzyl-ammonium chloride		No data available					

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Method (in-vivo)	Species	Method	Exposure time (days)	Specific effects and organs affected
Alkyldimethylbenzyl-ammonium chloride		No data available					

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
Alkyldimethylbenzyl-ammonium chloride			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
Alkyldimethylbenzylammonium chloride	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Alkyldimethylbenzylammonium chloride	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Alkyldimethylbenzylammonium chloride	LC 50	> 0.1-1	*Fish*	Not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Alkyldimethylbenzylammonium chloride	EC 50	0.2	*Daphnia*	Not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Alkyldimethylbenzylammonium chloride	EC 50	0.06	*Pseudokirchneriella subcapitata*	OECD 201 (EU C.3)	96

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Alkyldimethylbenzylammonium chloride		No data			-

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Alkyldimethylbenzylammonium chloride	EC 20	10	*Activated sludge*	OECD 209	0.5 hour(s)

Aquatic short-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)	Effects observed
Alkyldimethylbenzylammonium chloride		No data				

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)	Effects observed
Alkyldimethylbenzylammonium chloride		No data				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)	Effects observed
Alkyldimethylbenzylammonium chloride		No data			-	

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
Alkyldimethylbenzylammonium chloride		No data			-	

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Alkyldimethylbenzylammonium chloride		No data			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Alkyldimethylbenzylammonium chloride		No data			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
Alkyldimethylbenzylammonium chloride		No data			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Alkyldimethylbenzylammonium chloride		No data			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Alkyldimethylbenzylammonium chloride		No data			-	

12.2. Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
Alkyldimethylbenzylammonium chloride		Oxygen depletion	> 60%	Read across	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3. Bio-accumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
Alkyldimethylbenzylammonium chloride	0.5 - 1.58	Not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Alkyldimethylbenzylammonium chloride	0.5		Not given	No bioaccumulation expected	

12.4. Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
Alkyldimethylbenzyl-ammoniumchloride	No data available		Not given	No bioaccumulation expected	

12.5. Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6. Other adverse effects

No other adverse effects known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. waste treatment methods

Waste from residues / unused products

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

European Waste Catalogue:	20 01 29* - detergents containing dangerous substances.
Empty packaging Recommendation	Dispose of observing national or local regulations.
Suitable cleaning agents	Water, if necessary with cleaning agent.

SECTION 14. TRANSPORT INFORMATION

Not classified as Hazardous for Shipping

14.1. UN number

Not applicable

14.2. UN Proper shipping name

Not applicable

14.3. Transport hazard class

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

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

Not applicable

SECTION 15. REGULATORY INFORMATION

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

EU Regulations

- Regulation (EU) No 528/2012 on biocidal products
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No. 648/2004 - Detergents regulation

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Ingredients according to EC Detergents Regulation 648/2004

non-ionic surfactants < 5%
disinfectants

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out on the mixture

SECTION 16. OTHER INFORMATION

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Full Text of Hazard Statements referred to under sections 2 and 3

H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

AISE - The international Association for Soaps, Detergents and Maintenance Products

DNEL - Derived No Effect Limit

EUH - CLP Specific hazard statement

PBT - Persistent, Bioaccumulative and Toxic

PNEC - Predicted No Effect Concentration

REACH number - REACH registration number, without supplier specific part

vPvB - very Persistent and very Bioaccumulative

ATE - Acute Toxicity Estimate

EC - The European Community number

Reason for Revision

This data sheet contains changes from the previous version in section(s):, 2, 3, 16

Revision Date	2020-03-20
Supersedes Date:	24/06/18
Revision	1

Disclaimer

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