



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

**Product name : CleanPro ANTI-BACTERIAL SPRAY**

**Product code : 56011563.**

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

Use descriptor system (REACH) :

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : McBride Plc Middleton.

Address : Middleton Way, Middleton.M24 4DP.Manchester.UK.

Telephone : + 44 (0) 161 653 9037. Fax : .

MSDS@mcbride.co.uk

www.detergentinfo.com

#### 1.4. Emergency telephone number : + 44 (0) 161 653 9037.

Association/Organisation : .

Other emergency numbers

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

Biocidal detergent mixture (see section 15).

Mixture for spray application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Hazard statements :

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Precautionary statements - Prevention :



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P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
Precautionary statements - Response :  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
Precautionary statements - Disposal :  
P501 Dispose of contents/container in accordance with local requirements for domestic waste disposal.

### 2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

#### Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: 1001305 CAS: 68424-85-1 EC: 270-325-2  BENZALKONIUM CHLORIDE	GHS07, GHS05, GHS09 Dgr Met. Corr. 1, H290 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 1	C,N C;R34 Xn;R21/22 N;R50/53-R50		0 <= x % < 2.5

Information on ingredients :

Other data :

## SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

### 4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

### 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 needed

No data available.



Specific and immediate treatment :

Information for the doctor :

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## SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

### 5.1. Extinguishing media

#### Suitable methods of extinction

In the event of a fire, use :

#### Unsuitable methods of extinction

In the event of a fire, do not use :

### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

No data available.

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## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

#### For non first aid worker

Avoid any contact with the skin and eyes.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

### 6.3. Methods and material for containment and cleaning up

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

No data available.

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## SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

#### Fire prevention :

Prevent access by unauthorised personnel.

#### Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

#### Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

### 7.2. Conditions for safe storage, including any incompatibilities

No data available.

#### Storage



Keep out of reach of children.

### Packaging

Always keep in packaging made of an identical material to the original.

Recommended types of packaging :

Suitable packaging materials :

Unsuitable packaging materials :

### 7.3. Specific end use(s)

No data available.

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## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No data available.

Occupational exposure limits :

Biological limits :

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

Predicted no effect concentration (PNEC):

### 8.2. Exposure controls

Suitable technical inspections

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

When spraying, wear a face shield in accordance with standard EN166.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

Recommended properties :

- Impervious gloves in accordance with standard EN374

#### - Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

Suitable type of protective boots :

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

#### - Respiratory protection

Type of FFP mask :

Category :

Type of mask with combined filters :

Type of powered air-purifying respirator :

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :



Particle filter according to standard EN143 :  
Independent breathing apparatus for respiratory protection :

- Thermal risks

Exposure controls linked to environmental protection

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## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### General information :

Physical state :	Fluid liquid.
Hygroscopicity :	Not stated.
Odour threshold :	Not stated.
Molecular formula :	Not stated.
Granulometry :	Not stated.
Apparent bulk density (Packed) :	Not stated.
Apparent bulk density (Loose packed) :	Not stated.
Particle size :	Not stated.
Angle of Talus :	Not stated.

#### Important health, safety and environmental information

pH :	+/-7.50 Neutral.
Boiling point/boiling range :	Not relevant.
Flash point interval :	Not relevant.
Flammability (solid, gas) :	Not stated.
Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.
Oxidising properties :	Not stated.
Vapour pressure (50°C) :	Not relevant.
Vapour density :	Not stated.
Density :	1.000 (20°C) Method for determining the density :
Miscibility :	Not stated.
Water solubility :	Soluble. n/a Method for determining the water solubility :
Fat solubility :	Not stated.
Partition coefficient: n-octanol/water :	Not stated. Method for determining the partition coefficient n-octanol/water :
Viscosity :	Not stated. Method for determining the viscosity :
Evaporation rate :	Not stated.
Melting point/melting range :	Not relevant.
Self-ignition temperature :	Not relevant.
Decomposition point/decomposition range :	Not relevant.
Conductivity :	Not stated.
% VOC :	Not stated.
Colour :	Characteristic
Odour :	Characteristic

### 9.2. Other information

Optical rotation :	Not stated.
Index of refraction :	3 - 4
Index of fluidity :	Not stated.
Henry constant :	Not stated.
Dissociation constant :	Not stated.
Oxidation reduction potential :	Not stated.
Superficial tension :	Not stated.
Surface tension :	Not stated.
Enthalpy of combustion :	Not stated.
Enthalpy of melting :	Not stated.



Enthalpy of vaporisation :	Not stated.
Enthalpy of polymerization :	Not stated.
Critical pressure :	Not stated.
Critical temperature :	Not stated.

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## SECTION 10 : STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid :

- frost

### 10.5. Incompatible materials

Keep away from :

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

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## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

#### 11.1.1. Substances

No toxicological data available for the substances.

Acute toxicity :

Skin corrosion/skin irritation :

Serious damage to eyes/eye irritation :

Respiratory or skin sensitisation :

Germ cell mutagenicity :

Carcinogenicity :

Reproductive toxicant :

Specific target organ systemic toxicity - single exposure :

Specific target organ systemic toxicity - repeated exposure :

Aspiration hazard :

#### 11.1.2. Mixture

No toxicological data available for the mixture.

Acute toxicity :

Skin corrosion/skin irritation :

Serious damage to eyes/eye irritation :

Respiratory or skin sensitisation :

Germ cell mutagenicity :

Carcinogenicity :

Reproductive toxicant :

Specific target organ systemic toxicity - single exposure :



Specific target organ systemic toxicity - repeated exposure :

Aspiration hazard :

Symptoms related to the physical, chemical and toxicological characteristics

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Interactive effects

Absence of specific data

Mixture versus substance information

Other information

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## SECTION 12 : ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

### 12.1. Toxicity

#### 12.1.1. Substances

BENZALKONIUM CHLORIDE (CAS: 68424-85-1)

Fish toxicity : 1 < LC50 <= 10 mg/l

Species : Others

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

0,001 < NOEC <= 0,01 mg/l

Factor M = 1

Duration of exposure : 28 days

Crustacean toxicity : 0.01 < EC50 <= 0.1 mg/l

Factor M = 10

Species : Daphnia magna

Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity : 0.01 < ECr50 <= 0.1 mg/l

Factor M = 10

Species : Selenastrum capricornutum

Duration of exposure : 96 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

#### 12.1.2. Mixtures

### 12.2. Persistence and degradability

#### 12.2.1. Substances

BENZALKONIUM CHLORIDE (CAS: 68424-85-1)

Biodegradability : Fast degrading.

#### 12.2.2. Mixtures

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

### 12.3. Bioaccumulative potential

No data available.

#### 12.3.1. Substances

#### 12.3.2. Mixtures

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

No data available.

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## SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.



### 13.1. Waste treatment methods

Do not pour into drains or waterways.

#### Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

#### Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

#### Local arrangements :

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

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## SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

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## SECTION 15 : REGULATORY INFORMATION

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

#### - Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

#### - Container information:

No data available.

#### - Particular provisions :

No data available.

#### - Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

#### - Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC) :

Name	CAS	%	Product-type
BENZALKONIUM CHLORIDE	68424-85-1	18.00 g/kg	04

Product-type 4 : Food and feed area.

#### Substances that deplete the ozone layer (EC Regulation No. 1005/2009, Montreal Protocol) :

CAS	Substance	Group	Formula	Category	ODP
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#### - Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

#### - Swiss ordinance on the incentive tax on volatile organic compounds :

### 15.2. Chemical safety assessment

No data available.

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## SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Title for H, EUH and R indications mentioned in section 3 :

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H302 + H312 Harmful if swallowed or in contact with skin.





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H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
R 21/22	Harmful in contact with skin and if swallowed.
R 34	Causes burns.
R 50	Very toxic to aquatic organisms.
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark