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## PROFESSIONAL CLEANING PRODUCTS

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### PRODUCT INFORMATION SHEET

# MR. SAN

## SURFACE SANITIZER

#### PRODUCT INFORMATION:

A food safe sanitizer containing benzalkonium chloride, a quaternary ammonium compound proven to be effective against a wide range of bacteria, fungi & viruses such as MRSA, Staph, E. Coli, C.Difficile, Salmonella & Listeria. Designed for use as sanitising agent on floors, walls, tables etc. in food preparation areas, hospitals, canteens, restaurants or anywhere there may be a risk of contamination or cross infection.

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#### ADVANTAGES:

POWERFUL DISINFECTION:	Mr. San contains Benzalkonium Chloride a proven and powerful disinfectant against a wide range of micro-organisms such as MRSA, Staph, E. Coli, C.Difficile, Salmonella & Listeria.
FAST ACTING AND VERSATILE:	Effective within moments of application and can be applied easily by spray or mop to all surfaces.
COST EFFECTIVE CONCENTRATED DILUTION:	Concentrated solution should be diluted at 40mls to 730mls water therefore reducing & controlling costs. 125 x 750ml Trigger Spray Bottles per 5Lt
SAFE ON ALL SURFACES:	Can be wiped away easily from all hard surfaces leaving a hygienically clean surface with no streaks or stains
BIODEGRADABLE:	Fully biodegradable.
SOLUBILITY:	100% soluble in water.

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#### DIRECTIONS FOR USE:

For food safe applications dilute 1:20 (or 40mls in a 750ml trigger spray bottle) with potable water. Apply by spray & allow 30 seconds contact time before wiping off. Rinse well after use when diluted less than 1:20. (1 x 5Lt = 125 x 750ml Trigger spray bottles) Do not mix with other detergents

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#### PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.  
Size: 750ml Trigger Spray (RTU), 5Lt Drums, 20Lt Drums

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#### QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 3 years.

# Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 1 of 7

Date of issue: 01.01.17

Replaces version of: 01.01.14

## PRODUCT NAME: MR. SAN

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

#### 1.1. Product identifier

Product Name MR. SAN  
Product No. KR 319

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

Identified uses: Surface Sanitizer

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

Supplier Cleanfast.ie  
Ashleigh House, JFK Road, Dublin 12  
Tel: 1800 848700 (free) Email: info@fastdeal.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,  
Beaumont Road, Dublin 9. Tel: +353(01)8092566

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification: Regulation (EC) No 1272/2008: H302, H314, H400  
Human health: Harmful if swallowed. Causes severe skin burns and eye damage  
Environment: The product contains a substance which is very toxic to aquatic organisms.

#### 2.2. Label elements

Detergent Labelling: Contains: ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE



Labelling

DANGER

WARNING

WARNING

Hazard H302  
Phrases H314  
H400

Harmful if swallowed  
Causes severe skin burns and eye damage.  
Very toxic to aquatic life

Precautionary Statements

P405 & 102  
P260

Store locked up. Keep out of the reach of children  
Do not breathe mist, vapours or spray

P262

Do not get in eyes, on skin or on clothing

P264

Wash hands thoroughly after handling

P280

Wear protective gloves/clothing/eye/face protection

P301 & 310

IF SWALLOWED: Rinse out mouth immediately with water.  
Immediately call a poison centre or doctor/physician.

P302

IF ON SKIN: Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists

P304

IF INHALED: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.

P305 & 310

IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.

P501

Dispose of contents/container in accordance with local regulations. Recover, reclaim or recycle, where possible.

2.3. Other hazards N/A

# Safety Data Sheet

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	1-5%
CAS-No.: 68424-85-1	EC No.: 270-325-2
Classification (EC 1272/2008)	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Aquatic Acute 1 - H400	

A Full Text for all Hazard Statements are Displayed in Section 16

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

Inhalation:	Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
Eye Contact:	Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.
Ingestion:	Rinse out mouth immediately with water. Immediately call a poison center or doctor/physician
Protection of first aider:	Avoid contact with skin and eyes (see Section 8.)

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

Inhalation:	Irritating to respiratory system. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion:	Causes burns. Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, oesophagus & stomach.
Skin contact:	Corrosive to skin. Will burn skin on contact
Eye contact:	Risk of serious damage to eyes. Causes burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**SECTION 5: FIRE FIGHTING MEASURES**

5.1 Suitable Extinguishing Media:	Water, Foam.
5.2 Unsuitable:	N/A
5.3 Specific Hazards:	The thermal decomposition products released (oxides of nitrogen & carbon) should be considered toxic if inhaled.
5.4 Special Equipment for the protection of Fire Fighters:	Wear full protective clothing & breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal Precautions: Avoid contact with skin and eyes (see Section 8.)
- 6.2 Environmental Precautions: Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body
- 6.3 Methods for Cleaning up: Small Spills - Flush with water.  
Large Spills - Take up with absorbent material, e.g. sand, sawdust, into tightly closed plastic containers.

**SECTION 7: HANDLING AND STORAGE**7.1 Handling

- Technical Measures: No special measures required.
- Safe Handling Advice: Avoid ingestion, contact with eyes & skin. Comply with instructions for use.

7.2 Storage

- Technical Measures: No special measures required.
- Storage Conditions: Store in a cool dry place.
- Incompatible Products: Acids, Strong Oxidizing Agents.
- Packaging: Plastic Drums.
- Packaging Materials: Recommended: Plastic Materials, Polyethylene, Polypropylene.  
Not Suitable - Uncoated Metal Drums.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 8.1 Engineering Measures: No special measures required.
- 8.2 Personal Protection Equipment:



- Respiratory Protection: Provide adequate ventilation in areas of confined space.
- Hand Protection: Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K
- Eye Protection: Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher
- Skin Protection: Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher
- 8.3 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.
- 8.4 Occupational Exposure Limits: N/A

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties

a)	Appearance:	Blue Liquid
b)	Odour:	Slight chemical.
c)	Odour threshold:	N/A
d)	pH:	6.5+/-0.5 undiluted
e)	Melting point / freezing point:	No data available
f)	Initial boiling point & boiling range:	No data available
g)	Flash point:	No data available
h)	Evaporation rate:	No data available
i)	Flammability solid, gas):	No data available
j)	Upper/lower flammability or explosive limits:	No data available
k)	Vapour pressure:	No data available
l)	Vapour density:	No data available
m)	Relative density:	1.00kg/dm <sup>3</sup>
n)	Solubility(ies):	Soluble in Water
o)	Partition coefficient: n-octanol/water:	No data available
p)	Auto-ignition temperature:	No data available
q)	Decomposition temperature:	No data available
r)	Viscosity:	No data available
s)	Explosive properties:	No data available
t)	Oxidising properties:	No data available

**SECTION 10: STABILITY AND REACTIVITY**

<u>10.1. Reactivity:</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3. Possibility of hazardous reactions:</u>	Hazardous Polymerisation N/A
<u>10.4. Conditions to avoid:</u>	Avoid Extreme Temperatures. Avoid contact with acids &/or oxidising agents.
<u>10.5. Incompatible materials:</u>	Acids &/or oxidizing agents
<u>10.6. Hazardous decomposition products:</u>	None under normal conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects:

Inhalation:	Irritating to respiratory system. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion:	Causes burns. Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, oesophagus & stomach.
Skin contact:	Corrosive to skin. Will burn skin on contact
Eye contact:	Risk of serious damage to eyes. Causes burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight

Date of issue: 01.01.17

Replaces version of: 01.01.14

11.2. Toxicological information on ingredients:

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1)Acute toxicity:

Acute Toxicity (Oral LD50)

150 mg/kg Mouse

Miscellaneous information sources.

Acute Toxicity (Dermal LD50)

1420 mg/kg Rat

Miscellaneous information sources.

**SECTION 12: ECOLOGICAL INFORMATION**Eco-toxicity

This product is Readily Biodegradable and not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients:

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1)

Acute Toxicity - Fish

LC50 96 hours 0.31 mg/l *Lepomis macrochirus* (Bluegill)

Miscellaneous information sources.

12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation 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.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients

12.4. Mobility in soil

Mobility: The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

**SECTION 13: DISPOSAL CONSIDERATIONS**

General information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

**SECTION 14: TRANSPORT INFORMATION**

The product is not covered by international regulation on the transport of dangerous goods:

<b>REGULATIONS</b>	<b>CLASS</b>
RID/ADR:	Not Classified
ICAO/IATA-DGR:	Not Classified
GGVSee/IMDG-Code:	Not Classified

14.1. UN number

N/A

14.2. UN proper shipping name

N/A

14.3. Transport hazard class(es)

N/A

14.4. Packing Group

N/A

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: N/A

14.6. Special precautions for user

NA

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

N/A

**SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixtureStatutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.  
6 / 7

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

Revision Date: 01.01.17

Revision No: 4

Replaces version of: 01.01.14

Hazard Statements In Full

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life

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The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.