



AVAILABLE IN
500ML & 17KG
CANISTERS

**KILLS
99.9% OF
BACTERIA**

**ANTI VIRAL
& ANTI
BACTERIAL**

**ALCOHOL
FREE**

SURFACE SANITISER SPRAY



**SAFE
ON ANY
SURFACE**



**5
HOURS
PROTECTION**



**ACTIVATES
INSTANTLY**



**EASY
TO
USE**



PRODUCT DESCRIPTION: SAFECLEAN has been specially formulated to kill/inhibit both bacteria and viruses (including enveloped viruses such as coronavirus) for up to five hours on a variety of surfaces such as handles, handrails, doors, tables and desks, and other areas of frequent contact, with a single coating. It is ideal for offices, conference centres, sports clubs, educational and care facilities and motor vehicles, as well as entertainment and hospitality venues, including restaurants and pubs. It is safe to use on the skin and alcohol free, meaning that there is no drying or irritation to the skin.

Active biocides present in the formulation provide a longer lasting protection than alcohol based preparations. It does not stain, is non-corrosive and will give a streak and smear free finish to most polished surfaces including glass and stainless steel.

SAFECLEAN has been tested to BS EN 1276 which is the European standard for the bactericidal activity of chemical disinfectants, and provides proof of efficacy in the control of harmful micro-organisms. In order to meet the standard, products are tested by an independent laboratory, and must denature 99.999% within 5 minutes.

SAFECLEAN is supplied in both a 500ml aerosol, and disposable 17kg canisters. Canisters are connected by either a 3.5 metre or a 5.5 metre hose to a spray gun, and therefore this provides an easy to use, self-contained, time saving spraying system, with minimal set up.



Composition	Organic Non Chlorinated Solvents
Propellant	Hydrocarbon
Colours	Colourless
Odour	None
Relative Density (active ingredient)	Approx 1
Packaging	500ml aerosol 17Kg disposable canister
Shelf Life	12 months from the date of manufacture

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DIRECTIONS FOR USE:

General

- Always read the Safety Data Sheet (SDS)

Application:

- Spray from a distance of approximately 10 – 20cm from the surface to be treated
- When using a canister to fog an area, use generous sweeping motions

Canister:

- Connect the spray gun to the hose ensuring that the locking nut on the gun is closed, then connect the other end of the hose to the canister, ensuring all the connections are tight
- Open the valve on the canister; this allows the product into the hose and gun, then open the locking nut on the gun to commence spraying
- Note: Always leave the locking nut on the canister in the open position and use the locking nut on the gun to turn off
- The valve on the canister should remain open until the canister is empty

HANDLING AND STORAGE:

Avoid spillage; keep away from heat, sparks and open flames and to use in well ventilated areas. For best results the product should be used at temperatures between 15°C - 25°C.

SAFECLEAN needs to be stored in temperatures between 10°C - 20°C, in dry, well ventilated areas, and must not be exposed to direct sunlight or temperatures above 50°C.

SAFETY DATA SHEET

SAFE CLEAN – 500ml AEROSOL

SECTION 1; IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name SAFE CLEAN 500

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

Identified uses Spray surface sanitiser

1.3. Details of the supplier of the data sheet

Supplier Boards Direct
 Unit 4 Poplars Court
 Lenton Lane
 Nottingham
 NG7 2RR

1.4. Emergency telephone number

+44 0800 612 5432
Mon – Fri 0900-1700

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards Extremely Flam. Aerosol - H222
Environment Aquatic Chronic 2 – H411

The full text for all Hazard statements are displayed in Section 16.

2.2 Label Elements

Label in Accordance with (EC) No. 1272/2008



Signal word

Danger

Hazard statements

H222

Extremely flammable aerosol.

H229 Pressurised container: May burst if heated
 H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

P102 Keep out of reach of children
 P210 Keep away from heat/sparks/open flames/hot surfaces – No Smoking.
 P251 Pressurized container: Do not pierce or burn, even after use.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P501 Dispose of contents/container in accordance with Local Regulations

Supplementary precautionary statements

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 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 position comfortable for breathing.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
 P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Supplement label information

2.3. Other hazards

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

DIMETHYLETHER CAS-No.: 115-10-6	EC No.: 204-065-8	REACH Reg:01-2119472128-37	60-90%
Classification (EC 1272/2008) Flam Gas 1 – H220			

ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE CAS-No.: 68424-85-1	EC No.:270-325-2	REACH Reg: Not available	<1%
Skin Corr 1B – H314 Acute Tox 4 – H302 Acute Tox 4 – H312 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410			

The full text for all hazard statements are displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

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

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling section 2.2, and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media****Extinguishing media**

Fire can be extinguished using: foam; carbon dioxide; dry powder. Do not use water jet as an extinguisher – this may cause the fire to spread.

5.2 Special hazards arising from the substance or mixture**Unusual fire & Explosion hazards**

Aerosols/+Canisters may explode in fire.

Toxic gases/vapours/fumes of: Carbon Dioxide (CO₂). Carbon Monoxide (CO)

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

No Special measures required.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environment Agency or other regulatory body. Do not discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up

Absorb with liquid binding materials such as sand, diatomite, universal binders, sawdust etc)

6.4 Reference to other sections

Wear protective clothing as described in section 8 of this safety data sheet. For waste disposal see section 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Must not be exposed to direct sunlight or temperatures above 50°C.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
DIMETHYLETHER	TRGS 900	400 ppm	766 mg/m ³	500 ppm	958 mg/m ³	

WEL = Workplace exposure limit.

Derived No Effect Level (DNEL)

ALKYLDIMETHYLBENZYLAMMONIUMCHLORIDE

DNEL Consumer – Oral; Long term systematic effects: 3.4 mg/kg bw/day
 Consumer – Dermal; Long term systematic effects: 3.4 mg/kg bw/day
 Workers – Dermal; Long term systematic effects: 5.7mg/kg bw/day
 Workers - Inhalation; Short term systematic effects: 3.96 mg/m³
 Consumer – Inhalation; Long term local effects: 1.64 mg/m³

PNEC Surface water fresh; 0.0009 mg/l
 Surface water marine; 0.00009 mg/l
 Sediment (Freshwater); 0.267 mg/kg
 Sediment (Marine); 0.0267 mg/kg

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection

Safety glasses are not normally used. However, for prolonged use where splashes might occur, use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Hand protection

Rinse and dry hands after use. For prolonged contact, use gloves approved to relevant standards (e.g. EN374).

Other skin and body protection

No special requirements under normal use conditions

Respiratory protection

No special requirements under normal use conditions, however inhalation of vapour/spray should be avoided.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

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

(a) Appearance	Canister/Aerosol.
(b) Odour	Characteristic
(c) Odour Threshold	No data available
(d) pH	No data available
(e) Melting point/freezing point	No data available
(f) Initial boiling point and boiling range	No data available
(g) Flash point	Estimated at -20°C
(h) Evaporation point	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	No data available
(n) Water solubility	No data available
(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.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

No data available.

10.2 Chemical stability

Avoid heat, sparks, and flames, stable under normal conditions.

10.3 Possibility of hazardous reactions

None known under normal storage and use conditions.

10.4 Conditions to avoid

Avoid heat, flames and other sources or ignition. Avoid contact with: Strong oxidising agents, Strong alkalis and Strong mineral acids.

10.5 Incompatible materials

Materials to avoid

Strong acids, strong oxidising substances and strong alkalis.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

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

AcuTe Toxicity

Dimethylether:

LC50/rat – 164,000ppm

Alkyldimethylbenzylammoniumchlorate

LD50/rat – 398 mg/kg

Skin contactDimethylether:

Not classified

Alkyldimethylbenzylammoniumchlorate

LD50/rat – 800-1420 mg/kg

Eye contactDimethylether:

Not classified

InhalationDimethylether:

Not classified

CarcinogenicityDimethylether:

Not classified

Alkyldimethylbenzylammoniumchlorate

No evidence – ECD 471 (EU B.12/13)

Additional Information**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**Dimethylether:

Fish LC50/96 h/Poecilia reticulata (guppy) >4000mg/l

Aquatic invertebrates EC50/48 h/Daphnia >4000 mg/l

Algae No data available

Alkyldimethylbenzylammoniumchlorate

Fish LC50/96 h/ >0.1-1mg/l

Aquatic invertebrates EC50/48 h/Daphnia >0.02 mg/l

Algae EC50/96 h/Pseudokirchneriella subcapitata >0.06 mg/l

OECD 201 (EU C.3)

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

Partition coefficient not available – no bioaccumulation expected

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB Assessment

Contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB)

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2 UN proper shipping name

Liquefied gas flammable N.O.S

14.3 Transport hazard class(es)

ADR/RID/ADN class	2.1
ADR/RID/ADN class	Class 2: Gases
ADR Label No	2.1 & 6.1
IMDG Class	2.1
ICAO Class/division	2.1
ICAO Subsidiary risk	6.1
CEFIC TEC® No	20GSF
Air Class	2.1
UK Road Class	2.1
Transport labels	L.Q.



14.4 Packing group

Not applicable.

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant.

14.6 Special precautions for user

EMS	F-D, S-U
Tunnel restriction code	(D)

14.7 transport in bulk according to Annex II of MARPOL73/78 and the IBC code.

SECTION 15: REGULATORY INFORMATION

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

Labelling according to Regulation (EC) No 1272/2008

The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716). Control of substances hazardous to health.

Approved code of practice.

Guidance notes

Workplace exposure limits EH40.

15.1.1 EU-Regulations

Contains no REACH Annex XIV substances.

15.1.2 National Regulations

SECTION 16: OTHER INFORMATION

General information

This product should be used as directed. For further information consult the product data sheet or contact technical services.

Information sources

This safety data sheet was compiled using current safety information supplied by distributor raw materials.

Revision comments

This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Orn International.

Hazard statements in full

H220	Extremely flammable gas.
H222	Extremely flammable aerosol
H302	Harmful if swallowed
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
H411	Toxic to aquatic life with long lasting effects

Abbreviations

Skin Corr 1B	Skin corrosion category 1B
Flam Gas 1	Flammable gas category 1
Acute Tox 4	Acute toxicity category 4
Aquat Acute 1	acute aquatic toxicity category 1
Aquat Chron 1	Chronic aquatic toxicity category 1
Aquat Chron 2	Chronic aquatic toxicity category 2
LD50	Lethal Dose 50%
LC50	Lethal Concentration 50%
IARC	International Agency for Research on Cancer
OECD	Organisation for Economic and Co-operative Development
PBT	Persistent Bioaccumulative Toxicity
vPvB	Very Persistent Very Bioaccumulative
MDG	International Maritime Transport of Dangerous Goods
ICAO	International Civil Aviation Organisation

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DISCLAIMER

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Due to different materials used, as well as to varying working conditions, production techniques, and the requirements of the end users, all of which are beyond our control, we strongly recommend that thorough and extensive trials are carried out in order to test the suitability of our products with regard to the required processes and applications. This should also include an ageing test which should be applied to all substrates used.

It is also the responsibility of the purchaser and end user of this product to ensure that all appropriate actions necessary for the protection of the environment, and for the health and safety of their employees are observed.

This datasheet replaces all former versions