

SAFETY DATA SHEET

IMS

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Product code/part no.	Product identifier
ZSAL65005	5 Litre IMS 70 / 30 WFI Sterile
WSCW97ZZZ	Micronclean Silver Pack Sterile Wipes IMS
ZSAL65499	Micronclean Trigger Sprays IMS (500ML)
ZSAL65950	Micronclean Trigger Sprays IMS (950ML)
WSCW91009	Sessional Poly-Cellulose Wipe IMS Impregnated
WSVG09023	VeriGuard 4 Poly-Cellulose Pouch Wipes 70% IMS 30% WFI Water Sterile
MSME04016	Pureguard 2 Disposal Mop Pre-Saturated with 70% IMS 30% WFI (individually packed)
MSME01016	Pureguard 2 Disposal Mop Pre-Saturated with 70% IMS 30% WFI (stacked in 10s)

Substance name: IMS, EtOH, denatured ethanol, IMS/DI, IMS/WFI

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

1.3. Details of the supplier of the Safety Data Sheet
 Manufacturer/supplier: Micronclean
 Address: Roman Bank
 Skegness
 Lincolnshire
 PE25 1SQ, UK

Email: enquiries@micronclean.co.uk
 Tel/Fax: 0044 (0) 1754 767171

1.4. Emergency Telephone: 0044 (0) 1754 767171
 Opening hours: Only available during office hours (GMT)
 Other comments: Phone service available in English language

2. Hazards Identification

2.1. Classification of the substance or mixture
 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]
 Flam. Liq. 2: H225
 Additional information:
 For full text of hazard statements: see SECTION 16.

2.2. Label elements
 Labelling according to Regulation (EC) No 1272/2008 [CLP]

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Hazard pictograms: GHS02: Flame



Signal word: DANGER
 Hazard statements: H225: Highly flammable liquid and vapour
 Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking
 P233: Keep container tightly closed
 P403: Store in a well-ventilated place.
 P280: Wear protective gloves/protective clothing/eye protection/face protection

Supplemental Hazard information (EU): Not applicable.

- 2.3. Other hazards:
 In use, may form flammable / explosive vapour-air mixture.
 This product is not identified as a PBT substance.

3. Composition/information on ingredients

3.2. Hazardous ingredients

ETHANOL			
EINECS	CAS	CLASSIFICATION	PERCENT
200-578-6	64-17-5	Flam. Liq. 2: H225	50-70%
PROPAN-2-OL			
EINECS	CAS	CLASSIFICATION	PERCENT
200-661-7	67-63-0	Flam. Liq. 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336	1-10%

4. First aid measures

4.1. Description of first aid measures

Inhalation: Irritating to respiratory system. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication. If liquid has entered the lungs - consult a doctor immediately.

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Obtain medical attention if any discomfort continues.

Eye Contact: Promptly wash eyes with plenty of water while lifting the eyelids. Remove any contact lenses from the eyes. Continue to rinse for at least 15 minutes. Obtain medical attention if any discomfort continues.

Ingestion: Wash mouth out with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

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

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- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. Prolonged contact may lead to corneal damage.
- Ingestion:** There may be irritation of the throat. Gastrointestinal symptoms, including upset stomach. May cause nausea, headache, dizziness and intoxication. Narcotic effect. Chronic intoxication may damage the optic nerve, kidneys, liver, heart muscle and brain, and may lead to death.
- Inhalation:** Irritating to respiratory system. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication.

- 4.3. Indication of any immediate medical attention and special treatment needed
No data available.

5. Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media: Carbon dioxide, dry powder, alcohol resistant foam. Fight larger fires with alcohol resistant foam. Use water spray only to cool containers in the event of fire.
- Unsuitable extinguishing media:** Water jet, as burning product will float and spread.
- 5.2. Special hazards arising from the substance or mixture
Exposure hazards: In combustion emits toxic fumes of carbon dioxide/ carbon monoxide.
- 5.3. Advice for firefighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.
- 6.2. Environmental precautions: Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body. Contain the spillage using bunding.
- 6.3. Methods and material for containment and cleaning up
Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. Handling and storage

- 7.1. Precautions for safe handling

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Handling requirements: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Earth any equipment used in handling. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Unsuitable containers: aluminium.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Storage containers: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Packaging materials: Must only be kept in original packaging

7.3. Specific end uses
No data available.

8. Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHANOL

Occupational Exposure Limits (WEL/OEL)

Respirable dust

State	8 hour TWA		15 min. STEL		Legal Basis
	ppm	mg/m ³	ppm	mg/m ³	
UK	1000	1920	-	-	HSE: EH40/2005 Workplace exposure limits
France	1000	1900	5000	9500	Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung: GESTIS International Limit Values
Germany (AGS & DFG)	500	960	1000 (15 minutes average value)	1920 (15 minutes average value)	
Belgium	1000	1907	-	-	
Spain	-	-	1000	1910	
Switzerland	500	960	1000	1920	
Ireland	-	-	1000 (15 minutes reference period)	-	
Australia; Canada – Québec; New Zealand; Singapore	1000	1880	-	-	
Austria	1000	1900	2000	3800	
Canada - Ontario	-	-	1000	-	

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USA (NIOSH & OSHA)	1000	1900	-	-	
Netherlands	-	950	-	1900	De Sociaal-Economische: REACH Regulations/DNEL Raad

PROPAN-2-OL

Occupational Exposure Limits (WEL/OEL)

Respirable dust

State	8 hour TWA		15 min. STEL		Legal Basis
	ppm	mg/m ³	ppm	mg/m ³	
UK	400	999	500	1250	HSE: EH40/2005 Workplace exposure limits
France	-	-	400	980	Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung: GESTIS International Limit Values
Germany (AGS)	200	500	400 (15 minutes average value)	1000 (15 minutes average value)	
Germany (DFG)	200	500	400 (STV 15 minutes average value)	1000 (STV 15 minutes average value)	
Belgium; Spain; Switzerland	200	500	400	1000	
Ireland	200	-	400 (15 minutes reference period)	-	
Australia; Canada – Québec; New Zealand; Singapore	400	983	500	1230	
Austria	200	500	800	2000	
Canada - Ontario	200	-	400	-	
USA (NIOSH)	400	980	500 (15 minutes average value)	1225 (15 minutes average value)	
USA (OSHA)	400	980	-	-	
Netherlands	-	500	-	-	De Sociaal-Economische: REACH Regulations/DNEL Raad

DNEL/PNEC values: No data available.

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8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: No specific recommendations made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure limit.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
 Appearance: Colourless
 Odour: Alcoholic
 Solubility in water: Soluble
 Flash point: 20.5°C
 Relative Density: 0.880 – 0.888

9.2. Other information: No data available

10. Stability and reactivity

10.1. Reactivity: No data available.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions: No data available.

10.4. Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products: In combustion emits toxic fumes.

11. Toxicological information

11.1. Information on toxicological effects

ETHANOL

INTRAVENOUS	RAT	LD50	1440	mg/kg
ORAL	MOUSE	LD50	3450	mg/kg
ORAL	RAT	LD50	7060	mg/kg

PROPAN-2-OL

ORAL	RAT	LD50	5840	mg/kg
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Toxicity values: No data available.

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Symptoms / routes of exposure

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness. Prolonged contact may lead to corneal damage.
Ingestion:	There may be irritation of the throat. Gastrointestinal symptoms, including upset stomach. May cause nausea, headache, dizziness and intoxication. Narcotic effect. Chronic intoxication may damage the optic nerve, kidneys, liver, heart muscle and brain, and may lead to death.
Inhalation:	Irritating to respiratory system. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication.

12. Ecological information

12.1. Toxicity	
Ecotoxicity values:	No data available.
12.2. Persistence and degradability:	Biodegradable
12.3. Bioaccumulative potential:	No bioaccumulation potential
12.4. Mobility in soil:	Soluble in water
12.5. Results of PBT and vPvB assessment	
PBT identification:	This product is not identified as a PBT substance
12.6. Other adverse effects:	Negligible ecotoxicity

13. Disposal considerations

13.1. Waste treatment methods

Disposal operations:

Dispose of waste and residues in accordance with local authority requirements. Do not puncture or incinerate even when empty. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

NB:

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport information

14.1. UN No:	UN1170
14.2. UN proper shipping name:	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es):	Transport class 3
14.4. Packing group:	II
14.5. Environmental hazards	
Environmentally hazardous:	No
Marine pollutant:	No
14.6. Special precautions for user	
Special precautions:	This Product, unopened and in original packaging is classified as Limited Quantity for the purpose of transport and does not require a UN number on the packaging. Limited Quantity for this product is 1 L
Tunnel code:	D/E

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Transport category: 2

15. Regulatory Information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available
- 15.2. Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or mixture by the supplier.

16. Other information

- 16.1. Other information
This safety data sheet is prepared in accordance with Commission Regulation (EU) 2015/830.
Contact for enquiries: 0044 (0)1754 767377

- 16.2. Phrases used in s.2 and 3
H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Abbreviations:

EC: European Commission
EINECS: European Inventory of Existing Commercial Substances
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
CAS: Chemical Abstracts Service
GHS: Global Harmonised System
STOT SE: Specific Target Organ Toxicity - Single Exposure
STEL: Short-Term Exposure Limit
OEL: Occupational Exposure Limit
TWA: Time-Weighted Average
DNEL: Derived No-Effect Level
PNEC: Predicted No-Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
LD50: (Median) Lethal Dose
vPvB: Very Persistent, Very Bioaccumulative
HSE: Health and Safety Executive
STV: Short Term Value
NIOSH: Occupational Safety & Health Administration
OSHA: National Institute for Occupational Safety and Health

- 16.3. Legal disclaimer
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Issue 6: Product identifier updated

Date of issue: 22 February 2019