microclean
QUALITY TODAY - INNOVATION TOMORROW

SAFETY DATA SHEET

MICRONCLEAN IMS 70/30 WFI

LIQUIDS

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SAFETY DATA SHEET - MICRONCLEAN IMS 70/30 WFI - LIQUIDS

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1 Product identifier

Product code/ part no.	Product identifier
ZSAL65005	CleanGuard 2 IMS 5 Litre RFU Sterile
ZSAL65499	CleanGuard 2 IMS 500ml Trigger Spray Sterile
ZSAL65950	CleanGuard 2 IMS 950ml Trigger Spray Sterile

Product Name	Microncleαn IMS 70/30 WFI
CAS No.	Not applicable
EC No.	Not applicable
REACH Registration No.	Not known
Unique Formula Identifier (UFI)	TXC1-X0RK-800A-4R0Q

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

Identified Use(s)	Disinfectant
Uses Advised Against	Not known

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification	Microncleαn
Address of Manufacturer	Roman Bank Skegness Lincolnshire United Kingdom
Postal code	PE25 1SQ
Telephone:	0044 (0) 1754 767171
Fax	0044 (0) 1754 767171
E-mail	enquiries@microncleαn.co.uk
Office hours	09:00 - 17:00

Supplier

Company Identification	Microncleαn
Address of Supplier	Holly Road Skegness Lincolnshire United Kingdom
Postal code	PE25 3AX
Telephone:	0044 (0) 1754 767171

Fax	0044 (0) 1754 767171
E-mail	enquiries@microclean.co.uk
Office hours	09:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No.	+44 (0)1754 614100
Contact	No information available
National response centre for UK:	
Address	NHS Direct
Emergency Phone No.	+44 111

SECTION 2
HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Flam. Liq. 2: Highly flammable liquid and vapour.
Eye Irrit. 2: Causes serious eye irritation.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name: Microclean IMS 70/30 WFI

Hazard Pictogram(s):

GHS02

GHS07

Signal Word(s): Danger

Hazard Statement(s):
H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precautionary Statement(s):
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish.
P501: Dispose of contents in accordance with local, state or national legislation.

Unique Formula Identifier (UFI) TXC1-X0RK-800A-4R0Q

2.3 Other hazards
None known

2.4 Additional Information
For full text of H/P Statements see section 16.

SECTION 3
COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
ethanol ethyl alcohol	64-17-5	200-578-6	>=50 - <70	Flam. Liq. 2 H225	GHS02
				Eye Irrit. 2 H319	GHS07
propan-2-ol isopropyl alcohol isopropanol	67-63-0	200-661-7	>=3 - <10	Flam. Liq. 2 H225	GHS02
				Eye Irrit. 2 H319	GHS07
				STOT SE 3 H336	

Contains no non-classified vPvB substances.
Contains no substances not classified with an EU workplace exposure limit.
For the full text of H/P statements, see section 16.

SECTION 4
FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Treat symptomatically.
Skin Contact	Treat symptomatically.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed
May cause irritation.

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

SECTION 5
FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None

5.2 Special hazards arising from the substance or mixture
May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters
As appropriate for surrounding fire.

SECTION 6
ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions
This material and its container must be disposed of in a safe way.

6.3 Methods and material for containment and cleaning up
Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 Reference to other sections
See Also Section 8, 13.

SECTION 7
HANDLING AND STORAGE

7.1 Precautions for safe handling
Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	None known.

7.3 Specific end use(s)
Disinfectant

SECTION 8
EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

OCCUPATIONAL EXPOSURE LIMITS						
SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Ethanol	64-17-5	1000	1920			
Propan-2-ol	67-63-0	400	999	500	1250	

Region	Source
United Kingdom	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)
Remark	Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls — Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment

Eye Protection — Wear eye protection with side protection (EN166).

Skin protection — Wear protective clothing and gloves: Impervious gloves (EN 374).

Respiratory protection — Normally no personal respiratory protection is necessary.

Thermal hazards — None known.

8.2.3. Environmental Exposure Controls — Avoid release to the environment.

SECTION 9
PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Colour	Colourless
Odour	Alcohol-like
Melting point/freezing point	- 114°C
Boiling point or initial boiling point and boiling range	78°C @ 1013 hPa
Flammability	Not known
Lower and upper explosion limit	13.5 % V / 2.5 % V
Flash Point	12°C CC (Closed cup)
Auto-ignition temperature	363°C
Decomposition Temperature (°C)	Not known
pH	Not known
Kinematic Viscosity	1.2 mPa s @ 20°C
Solubility	Solubility (Water): Soluble in water. Solubility (Other): Miscible with Organic Solvents
Partition coefficient: n-octanol/water (log value)	log Pow: - 0.35
Vapour pressure	57 hPa @ °C
Density and/or Relative density	Density (g/ml) : 789.33 kg/m³
Relative vapour density	1.03
Particle characteristics	Not known

9.2 Other information
None.

SECTION 10
STABILITY AND REACTIVITY

10.1 Reactivity
None anticipated

10.2 Chemical Stability
Stable under normal conditions

10.3 Possibility of hazardous reactions
No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid
None anticipated.

10.5 Incompatible materials
Not known

10.6 Hazardous decomposition products
No hazardous decomposition products known

SECTION 11
TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Causes serious eye irritation.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information
Not known.

SECTION 12
ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability
Not known

12.3 Bioaccumulative potential
Not known

12.4 Mobility in soil
The product has high mobility in soil

12.5 Results of PBT and vPvB assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties
Not known

12.7 Other adverse effects
Not known

SECTION 13
DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Send to a licensed recycler, reclaimer or incinerator. Dispose at suitable refuse site.

13.2 Additional Information
Disposal should be in accordance with local, state or national legislation.

SECTION 14
TRANSPORT INFORMATION

14.1 UN number
1170

14.2 UN proper shipping name

UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	3
ADR Classification Code	F1
Special Provisions	144, 601
Limited Quantities	1 L
Excepted Quantities	E2
Emergency Action Code	•2YE
Mixed Packing Instructions for Packages	P001 IBC02 R001
Special Packing Provisions for Packages	
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1
Tank Code for Tanks	LGBF
Special Provisions for Tanks	
Vehicle for Tank Carriage	FL
ADR Transport Category	2
Tunnel Restriction Code	D/E
Special Provisions for Carriage - Packages	
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	S2 S20
ADR HIN	33

IMDG

IMDG Class	3
Special Provisions	144, 601
Limited Quantities	1 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P001 IBC02 R001
Special Packing Provisions for Packages	
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1
IMDG EMS	F-E, S-D
Stowage and Handling	Category A
Segregation	
Marine Pollutant	

ICAO/IATA

IATA Proper Shipping Name	ETHANOL SOLUTION
Excepted Quantities	E2
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y341
Passenger and Cargo Aircraft Limited Quantities Max net Qty	1L
Passenger and Cargo Aircraft Packing Instructions	353
Passenger and Cargo Aircraft Max net Qty	5L
Cargo Aircraft Packing Instructions	364
Cargo Aircraft Max net Qty	60L
Special Provisions	A3, A58, A180
Emergency Response Guidebook (ERG) Code	3L

Labels

Labels 3

14.4 Packing group

Packing group II

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15
REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	ethanol ethyl alcohol (64-17-5), propan-2-ol isopropyl alcohol isopropanol (67-63-0)
Community Rolling Action Plan (CoRAP)	Not listed
Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	Not listed

National regulations

Other — Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out

SECTION 16
OTHER INFORMATION

The following sections contain revisions or new statements:.

LEGEND

Hazard Pictogram(s)	GHS02 GHS07
Hazard classification	Flam. Liq. 2 : Flammable liquid, Category 2 Eye Irrit. 2 : Serious eye damage/irritation, Category 2 STOT SE 3 H336 : Specific target organ toxicity — single exposure, Category 3
Hazard Statement(s)	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.
Precautionary Statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P240: Ground and bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use non-sparking tools. P243: Take action to prevent static discharges. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash hands and exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340: IF INHALED: Remove person to fresh air and keep 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. P312: Call a POISON CENTER/doctor if you feel unwell. P337+P313: If eye irritation persists: Get medical advice/attention. P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish. P403+P233: Store in a well-ventilated place. Keep container tightly closed.

	P403+P235: Store in a well-ventilated place. Keep cool. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.
Acronyms	ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances IATA : International Air Transport Association IBC : Intermediate Bulk Container ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals RID : Regulations concerning the International Carriage of Dangerous Goods by Rail STEL : Short term exposure limit STOT : Specific Target Organ Toxicity UN : United Nations vPvB : very Persistent and very Bioaccumulative
Key literature references and sources for data used to compile the SDS	Regulation (EC) No. 1272/2008 (CLP)
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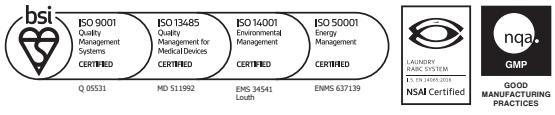
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