

# SAFETY DATA SHEET

# Micronclean IMS 70/30 WFI

# Liquids



**STERILE**

**micronclean**  
QUALITY TODAY - INNOVATION TOMORROW

**RFU** PRODUCT CODE ZSAL65005-A

**2** Ethanol #200-578-6  
Propan-2-ol #200-661-7

**CleanGuard**

**EN DANGER • FR DANGER  
ES PELIGRO • DE GEFAHR  
PT PERIGO • NL GEVAAR**

**EN** Highly flammable liquid and vapour. Keep away from heat/sun/other flame-hot surfaces. No smoking, keep containers tightly closed. Store in a well-ventilated place. Wear protective gloves/protective clothing/protective footwear/protective eyewear.

**FR** Liquide et vapeurs très inflammables. Tenir à l'écart de la chaleur, des sources de chaleur, des étincelles, des flammes nues et de toute autre source d'allumage. Ne fumer. Ne pas fumer. Éviter les étincelles, les étincelles nues et les flammes. Porter des gants de protection, des vêtements de protection, des chaussures de protection, des lunettes de protection.

**ES** Líquido y vapores muy inflamables. Mantener alejado del calor, de superficies calientes, de chispas, de flamas abiertas y de cualquier otro fuente de ignición. No fumar. No fumar. No fumar. Evitar las chispas, las chispas desnudas y las flamas. Usar guantes de protección, ropa protectora, calzado protector, gafas protectoras.

**DE** Flüssigkeit und Dampf sehr entzündbar. Von Hitze, heißen Oberflächen, Funken, offenen Flammen sowie anderen Zündquellen fernhalten. Nicht rauchen. Behälter dicht verschlossen halten. Bei einem Brand nicht mit Wasser löschen. Schutzhandschuhe, Schutzkleidung und Schutzbrille tragen.

**PT** Líquido e vapor facilmente inflamáveis. Manter afastado do calor, superfícies quentes, faíscas, chama e outras fontes de ignição. Não fumar.

**NL** Licht ontvlambare vloeistof en damp. Verreken houdten van warmte, hete oppervlakken, vorken, open vuur en andere ontvlambare bronnen. Niet roken. In goed gesloten verpakking bewaren. Bij een groot brandgevaar geen water gebruiken. Beschermende handschoenen, beschermende kleding en oogbescherming gebruiken/beschermt dragen.

**www.micronclean.com**  
Rotten Bank, Skegness Lines  
PE25 1SQ, UK  
+44 (0)1754 767377  
sales@micronclean.co.uk

5L

**STERILE**

**micronclean**  
QUALITY TODAY - INNOVATION TOMORROW

**TRIGGER SPRAY** PRODUCT CODE ZSAL65499-A

**2** Ethanol #200-578-6  
Propan-2-ol #200-661-7

**CleanGuard**

**EN DANGER • FR DANGER  
ES PELIGRO • DE GEFAHR  
PT PERIGO • NL GEVAAR**

**EN** Highly flammable liquid and vapour. Keep away from heat/sun/other flame-hot surfaces. No smoking, keep containers tightly closed. Store in a well-ventilated place. Wear protective gloves/protective clothing/protective footwear/protective eyewear.

**FR** Liquide et vapeurs très inflammables. Tenir à l'écart de la chaleur, des sources de chaleur, des étincelles, des flammes nues et de toute autre source d'allumage. Ne fumer. Ne pas fumer. Éviter les étincelles, les étincelles nues et les flammes. Porter des gants de protection, des vêtements de protection, des chaussures de protection, des lunettes de protection.

**ES** Líquido y vapores muy inflamables. Mantener alejado del calor, de superficies calientes, de chispas, de flamas abiertas y de cualquier otro fuente de ignición. No fumar. No fumar. Evitar las chispas, las chispas desnudas y las flamas. Usar guantes de protección, ropa protectora, calzado protector, gafas protectoras.

**DE** Flüssigkeit und Dampf sehr entzündbar. Von Hitze, heißen Oberflächen, Funken, offenen Flammen sowie anderen Zündquellen fernhalten. Nicht rauchen. Behälter dicht verschlossen halten. Bei einem Brand nicht mit Wasser löschen. Schutzhandschuhe, Schutzkleidung und Schutzbrille tragen.

**PT** Líquido e vapor facilmente inflamáveis. Manter afastado do calor, superfícies quentes, faíscas, chama e outras fontes de ignição. Não fumar.

**NL** Licht ontvlambare vloeistof en damp. Verreken houdten van warmte, hete oppervlakken, vorken, open vuur en andere ontvlambare bronnen. Niet roken. In goed gesloten verpakking bewaren. Bij een groot brandgevaar geen water gebruiken. Beschermende handschoenen, beschermende kleding en oogbescherming gebruiken/beschermt dragen.

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500ml

## 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                      Micronclean IMS 70/30 WFI  
CAS No.                              Not applicable.  
EC No.                                Not applicable.  
REACH Registration No.        Not known

##### 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        Micronclean  
Address of Manufacturer  
Roman Bank  
Skegness  
Lincolnshire  
Postal code                      PE25 1SQ  
Telephone:                      0044 (0) 1754 767171  
Fax                                 0044 (0) 1754 767171  
E-mail                             enquiries@micronclean.co.uk  
Office hours                    09:00 - 17:00

Supplier  
Company Identification        Micronclean  
Address of Supplier  
Holly Road  
Skegness  
Lincolnshire  
Postal code                      PE25 3AX  
Telephone:                      0044 (0) 1754 767171  
Fax                                 0044 (0) 1754 767171  
E-mail                             enquiries@micronclean.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

*National response centre for Ireland:*

Address Poisons Information Centre of Ireland Beaumont Hospital, PO Box 1297, Beaumont Road, Dublin, Ireland.

Emergency Phone No. +00 353 183 799 64

## 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 Micronclean 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.

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.

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

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Treat symptomatically.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water.
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      Use water spray, dry powder or carbon dioxide to extinguish.

Unsuitable extinguishing media      Water jet spray

## 5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. May decompose in a fire, giving off toxic and irritant vapours.

## 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. 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. Containers must not be punctured or destroyed by burning, even when empty.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

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

Store in a well-ventilated place. Keep cool.

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.	LTTEL (8 hr TWA ppm)	LTTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Ethanol	64-17-5	1000	1920			
Propan-2-ol	67-63-0	400	999	500	1250	

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

## 8.2 Exposure controls

### 8.2.1. Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. 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

Appearance	Liquid.
Colour	Colourless
Odour	Alcohol-like
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	789.33 kg/m <sup>3</sup>
Relative density	Not known.
Solubility(ies)	Solubility (Water): Soluble in water. Solubility (Other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	363°C
Decomposition Temperature (°C)	Not known.
Viscosity	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

Avoid friction, sparks, or other means of ignition.

### 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	Calculation method: 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 Degradation

Not known.

### 12.3 Bioaccumulative potential

Not known.

### 12.4 Mobility in soil

Not known.

### 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 Other adverse effects

Not known.



## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. 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

UN No. 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	
Excepted Quantities	
Passenger and Cargo Aircraft Limited	
Quantities Packing Instructions	
Passenger and Cargo Aircraft Limited	
Quantities Max net Qty	
Passenger and Cargo Aircraft Packing	
Instructions	
Passenger and Cargo Aircraft Max net Qty	
Cargo Aircraft Packing Instructions	
Cargo Aircraft Max net Qty	
Special Provisions	
Emergency Response Guidebook (ERG)	
Code	

**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**

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 (EC) N° 850/2004 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.

P264: Wash hands and exposed skin thoroughly after handling.

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.

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.

P403+P235: Store in a well-ventilated place. Keep cool.

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

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

Disclaimers

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Issue 7: New format of SDS

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Product Development Manager

