

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : MIDA SAN 310 ALCO
Product code : IT00034

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance/mixture : Food Industry Sanitizer

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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info.fhitalia@christeyns.com - www.christeyns.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 3 H336

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

CLP Signal word : Danger
Hazardous ingredients : propan-2-ol
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P261 - Avoid breathing vapours, spray, mist.
P280 - Wear eye protection, face protection, protective gloves.
P312 - Call a doctor, a POISON CENTER if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol	(CAS-no) 67-63-0 (Einecs nr) 200-661-7 (EG annex nr) 603-117-00-0 (REACH-no) 01-2119457558-25	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethanol	(CAS-no) 64-17-5 (Einecs nr) 200-578-6 (EG annex nr) 603-002-00-5 (REACH-no) 01-2119457610-43	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: If you feel unwell, seek medical advice.
Inhalation	: When symptoms occur: go into open air and ventilate suspected area.
Skin contact	: Wash off with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	: Rinse mouth out with water. If swallowed, seek medical advice immediately and show this container or label.

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

Acute effects inhalation	: May cause drowsiness or dizziness.
Acute effects eyes	: Eye 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	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂).
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: This product is flammable.
Hazardous decomposition products in case of fire	: Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame.
Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Concerning personal protective equipment to use, see section 8.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Use self-contained breathing apparatus and chemically protective clothing. Wear fire/flame resistant/retardant clothing.
Emergency procedures	: Evacuate unnecessary personnel.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed container for disposal.
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6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Never mix with other materials. Never return unused material to original container.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in original container. Keep container tightly closed in a cool place.
Storage temperature : < 35 °C
Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.
Material(s) to avoid : None known.
Storage area : Store away from direct sunlight or other heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol (64-17-5)

Ireland - Occupational Exposure Limits

Local name	Ethanol
OEL (15 min ref) (ppm)	1000 ppm
Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018

United Kingdom - Occupational Exposure Limits

Local name	Ethanol
WEL TWA (mg/m ³)	1920 mg/m ³
WEL TWA (ppm)	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

propan-2-ol (67-63-0)

Ireland - Occupational Exposure Limits

Local name	Isopropyl alcohol
OEL (8 hours ref) (ppm)	200 ppm
OEL (15 min ref) (ppm)	400 ppm
Notes (IE)	Sk
Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018

United Kingdom - Occupational Exposure Limits

Local name	Propan-2-ol
WEL TWA (mg/m ³)	999 mg/m ³
WEL TWA (ppm)	400 ppm
WEL STEL (mg/m ³)	1250 mg/m ³
WEL STEL (ppm)	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2. Exposure controls

Personal protective equipment:

Safety glasses.

Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Eye protection:

Wear security glasses which protect from splashes

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Protective equipment:

Wear suitable protective clothing (EN 14605)

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: alcohol odour.
Odour threshold	: No data available
pH	: 5 ± 0.5 (100%)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point/range	: No data available
Freezing point	: No data available
Boiling point/Boiling range	: No data available
Flash point	: 23 °C
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,925 ± 0,025 g/ml
Solubility	: soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight.

10.5. Incompatible materials

Never mix with other materials. Combustible materials.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified

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Acute toxicity (inhalation) : Not classified

Ethanol (64-17-5)

LD50 oral rat	10470 mg/kg
LD50 dermal rabbit	> 15800 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	51 mg/l/4h

propan-2-ol (67-63-0)

LD50 oral rat	4570 mg/kg
LD50 dermal rabbit	13400 mg/kg
LC50 inhalation rat (mg/l)	72,6

Skin corrosion/irritation : Not classified
pH: 5 ± 0.5 (100%)

Serious eye damage/irritation : Causes serious eye irritation.
pH: 5 ± 0.5 (100%)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Ethanol (64-17-5)

IARC group	1 - Carcinogenic to humans
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propan-2-ol (67-63-0)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

Ethanol (64-17-5)

NOAEL (oral, rat)	1730 mg/kg bodyweight (90d, female)
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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Ethanol (64-17-5)

LC50 fish 1	11200 mg/l
EC50 Daphnia 1	5012 mg/l (Ceriodaphnia dubai)
ErC50 (algae)	275 mg/l

12.2. Persistence and degradability

Ethanol (64-17-5)

Persistence and degradability	Biodegradable.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No bioaccumulation.
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Ethanol (64-17-5)

Bioconcentration factor (BCF REACH)	3,2
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste / unused products

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
14.1. UN number		
UN 1993	UN 1993	UN 1993
14.2. UN proper shipping name		
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.
Transport document description		
UN 1993 FLAMMABLE LIQUID, N.O.S. (propan-2- ol ; Ethanol), 3, III, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S. (propan-2- ol ; Ethanol), 3, III	UN 1993 Flammable liquid, n.o.s. (propan-2-ol ; Ethanol), 3, III
14.3. Transport hazard class(es)		
3	3	3
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274, 601
Limited quantities (ADR)	: 5I
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30

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Orange plates



Tunnel code : D/E
EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 223, 274, 955
Limited quantities (IMDG) : 5 L
Packing instructions (IMDG) : LP01, P001
IBC packing instructions (IMDG) : IBC03

Air transport

PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
2.2	Contains	Added	
2.2	Hazard statements (CLP)	Modified	
2.2	Precautionary statements (CLP)	Modified	
3.2	Composition/information on ingredients	Modified	

Other information : It is recommended to pass the information of this safety data sheet in an appropriate form to the users. Such information is actually the best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other products. This safety data sheet is in compliance with 1907/2006/EEC. It is user's liabilities to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

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H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.