MIDA SAN 311 KZ

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Date first issue: 15/05/2020 Review date: 18/03/2021 Supersedes version of: 10/07/2020 Version: 4.7

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

1.1. Product identifier

Product form : Mixture
Product name : MIDA SAN 311 KZ
Product code : MIDASAN311
Type of product : Disinfectant
Product group : CFH Product

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
Industrial/Professional use spec : Industrial use
Use of the substance/mixture : Disinfectant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Christeyns Food Hygiene Ltd.
2, Cameron Court, Winwick Quay
WA2 8RE Warrington - United Kingdom
T +44(0)1925 234696 - F +44(0)1925 234693
UK-foodinfo@christeyns.com - www.christeyns.com

Distributor

Casoria Company Ltd.
1 Farnham Street
H12 A9K0 Cavan - Ireland
T 00353 49 4361869 - F 00353 49 436 1869
sds@casoria.ie - www.casoria.ie

1.4. Emergency telephone number

Emergency number : 01925 234696 (9:00 - 17:00 GMT)

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	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3	H226
Eye Dam. 1	H318
STOT SE 3	H336

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

Adverse physicochemical, human health and environmental effects

Causes serious eye damage. Flammable liquid and vapour. May cause drowsiness or dizziness.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS05 GHS07

CLP Signal word : Danger
Contains : N-Propanol; Isopropanol

Hazard statements (CLP)	: H226 - Flammable liquid and vapour. H318 - Causes serious eye damage. H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	: P210 - Keep away from open flames, sparks. — No smoking. P261 - Avoid breathing Mist, Spray. P280 - Wear protective gloves, protective clothing, eye protection, face protection. P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 - Get medical advice/attention. P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.

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]
N-Propanol substance with national workplace exposure limit(s) (GB, IE)	(CAS-no) 71-23-8 (Einecs nr) 200-746-9 (EG annex nr) 603-003-00-0	30 – 60	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336
Isopropanol substance with national workplace exposure limit(s) (GB, IE)	(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

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.
Skin contact	: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Obtain emergency medical attention.
Ingestion	: Do NOT induce vomiting. Rinse mouth out with water. Obtain emergency medical attention.

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

Acute effects inhalation	: Vapours may cause drowsiness and dizziness.
Acute effects eyes	: Causes serious eye damage.

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

Prompt treatment is essential to minimize damage.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
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

General measures : Wear recommended personal protective equipment.

6.1.1. For non-emergency personnel

Protective equipment : Avoid any direct contact with the product. Use personal protective equipment as required.

Emergency procedures : Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Sweep or shovel spills into appropriate container for disposal.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation. Wash contaminated area with large amounts of water.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

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 : Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not mix with other products. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Avoid breathing Mist, Spray.

Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep only in the original container in a cool, well ventilated place. Avoid high temperatures.

Incompatible products : Strong acids. Strong bases.

7.3. Specific end use(s)

Disinfectant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

N-Propanol (71-23-8)	
Ireland - Occupational Exposure Limits	
Local name	n-Propanol [Propan-1-ol, n-Propyl alcohol]
OEL TWA [2]	100 ppm
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body)
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Propan-1-ol
WEL TWA (OEL TWA) [1]	500 mg/m³
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL)	625 mg/m³
WEL STEL (OEL STEL) [ppm]	250 ppm
Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Isopropanol (67-63-0)	
Ireland - Occupational Exposure Limits	
Local name	Isopropyl alcohol [Propan-2-ol]
OEL TWA [2]	200 ppm
OEL STEL [ppm]	400 ppm
Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body)
Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA) [1]	999 mg/m³
WEL TWA (OEL TWA) [2]	400 ppm
WEL STEL (OEL STEL)	1250 mg/m³
WEL STEL (OEL STEL) [ppm]	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures
No additional information available

8.1.3. Air contaminants formed
No additional information available

8.1.4. DNEL and PNEC
No additional information available

8.1.5. Control banding
No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
Appropriate engineering controls:

Good ventilation of the workplace required.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
Goggles. Standard EN 166 - Personal eye-protection. If there is a risk of liquid being splashed : Wear suitable face shield . If using in a trigger spray no eye protection is required. Take care to avoid eye contact.

8.2.2.2. Skin protection

Protective equipment:
Wear suitable protective clothing. PVC apron covering the tops of the boots. Boots made of PVC

Hand protection:
Wear suitable gloves resistant to chemical penetration. Standard EN 374 - Protective gloves against chemicals. If using in a trigger spray no gloves are required. Hands should be rinsed well after use.

8.2.2.3. Respiratory protection

Respiratory protection:
Not required for normal conditions of use

8.2.2.4. Thermal hazards
No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Physical state/form	: Clear Liquid.
Odour	: Alcohol.
Odour threshold	: Not available
Melting point/range	: < 0 °C
Freezing point	: Not available
Boiling point/Boiling range	: Not available
Flammability	: Flammable liquid and vapour.
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: 28.5 °C
Autoignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 7.5
Viscosity, kinematic	: 3.7 mm²/s at 20 °C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 0.86
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Flammable liquid and vapour. Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Heat and ignition sources.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

N-Propanol (71-23-8)	
LD50 oral rat	1870 mg/kg
LD50 dermal rabbit	4000 – 10000 mg/kg
LC50 Inhalation - Rat	> 33.8 mg/l/4h

Isopropanol (67-63-0)	
LD50 oral rat	4700 – 54500 mg/kg
LC50 Inhalation - Rat	46 – 73 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 7.5

Serious eye damage/irritation : Causes serious eye damage.
pH: 7.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

N-Propanol (71-23-8)	
STOT-single exposure	May cause drowsiness or dizziness.

Isopropanol (67-63-0)	
LOAEL (oral, rat)	5840 mg/kg bodyweight
LOAEL (dermal, rat/rabbit)	13900 mg/kg bodyweight
LOAEC (inhalation, rat, vapour)	25 mg/l/4h
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

MIDA SAN 311 KZ	
Viscosity, kinematic	3.7 mm²/s at 20 °C

11.2. Information on other hazards

No additional information available

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

N-Propanol (71-23-8)	
LC50 - Fish [1]	4480 mg/l
EC50 - Crustacea [1]	3644 mg/l
ErC50 algae	3100 mg/l

Isopropanol (67-63-0)	
LC50 - Fish [1]	9640 mg/l
EC50 - Crustacea [1]	9714 mg/l
EC50 72h - Algae [1]	> 100 mg/l

12.2. Persistence and degradability

N-Propanol (71-23-8)	
Biodegradation	83 %

Isopropanol (67-63-0)	
Biodegradation	95 %

12.3. Bioaccumulative potential

N-Propanol (71-23-8)	
Log Pow	0.25 – 0.34

Isopropanol (67-63-0)	
Partition coefficient n-octanol/water (Log Kow)	0.05

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment

MIDA SAN 311 KZ	
Results of PBT assessment	The product does not meet the PBT and vPvB classification criteria

12.6. Endocrine disrupting properties
No additional information available

12.7. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product/Packaging disposal recommendations : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

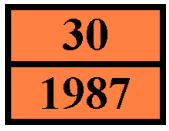
SECTION 14: Transport information
In accordance with ADR / IMDG

ADR	IMDG
14.1. UN number or ID number	
UN 1987	UN 1987
14.2. UN proper shipping name	
ALCOHOLS, N.O.S.	ALCOHOLS, N.O.S.
Transport document description	
UN 1987 ALCOHOLS, N.O.S. (Isopropanol and n-propanol), 3, III, (D/E)	UN 1987 ALCOHOLS, N.O.S. (Isopropanol and n-propanol), 3, III (28.5°C c.c.)
14.3. Transport hazard class(es)	
3	3

	
14.4. Packing group	
III	III
14.5. Environmental hazards	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : 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)	: 5l
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
Orange plates	: 
Tunnel code	: D/E

Transport by sea

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

14.7. Maritime transport in bulk according to IMO instruments

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**
	Review date	Modified	
	Supersedes	Modified	
1.1	Name	Added	
1.1	Product code	Added	
1.2	Use of the substance/mixture	Added	
1.2	Main use category	Modified	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.2	Acute effects eyes	Added	
4.2	Acute effects inhalation	Added	
5.1	Suitable extinguishing media	Modified	
6.3	For containment	Modified	
7.1	Hygiene measures	Added	
7.3	Specific end uses	Added	
8.2	Protective equipment	Modified	

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 3	H226	On basis of test data
Eye Dam. 1	H318	Calculation method
STOT SE 3	H336	Calculation method

Safety Data Sheet (SDS), EU

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.