

### 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 WIPES  
 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](mailto:UK-foodinfo@christeyns.com) - [www.christeyns.com](http://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](mailto:sds@casoria.ie) - [www.casoria.ie](http://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

# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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. P280 - Wear protective gloves, protective clothing. 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 (CO <sub>2</sub> ).
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### 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.
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# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 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)	
<b>Ireland - Occupational Exposure Limits</b>	
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
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Propan-1-ol
WEL TWA (OEL TWA) [1]	500 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	200 ppm
WEL STEL (OEL STEL)	625 mg/m <sup>3</sup>
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]

# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Isopropanol (67-63-0)	
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
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Propan-2-ol
WEL TWA (OEL TWA) [1]	999 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	400 ppm
WEL STEL (OEL STEL)	1250 mg/m <sup>3</sup>
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:

Not required for normal conditions of use. Eye protection should only be necessary where liquid could be splashed or sprayed

#### 8.2.2.2. Skin protection

##### Protective equipment:

Light protective clothing

##### Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

#### 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

# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Blue.
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 applicable
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable
Flash point	: 28.5 °C
Autoignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: 9
pH solution	: Not available
Viscosity, kinematic	: Not applicable
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 applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

#### 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

# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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

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

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

Skin corrosion/irritation : Not classified  
pH: 9  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 9  
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.

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

<b>Isopropanol (67-63-0)</b>	
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

### 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

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

<b>Isopropanol (67-63-0)</b>	
LC50 - Fish [1]	9640 mg/l

# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

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 WIPES	
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
<b>14.1. UN number or ID number</b>	
UN 3175	UN 3175
<b>14.2. UN proper shipping name</b>	
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
<b>Transport document description</b>	
UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol and n-propanol), 4.1, II, (E)	UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Isopropanol and n-propanol), 4.1, II (28.5°C c.c.)
<b>14.3. Transport hazard class(es)</b>	
4.1	4.1
	
<b>14.4. Packing group</b>	
II	II

# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 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) : 216, 274, 601  
Limited quantities (ADR) : 1kg  
Packing instructions (ADR) : P002, IBC06, R001  
Special packing provisions (ADR) : PP9  
Mixed packing provisions (ADR) : MP11  
Portable tank and bulk container instructions (ADR) : T3, BK1, BK2  
Portable tank and bulk container special provisions (ADR) : TP33  
Vehicle for tank carriage : AT  
Transport category (ADR) : 2  
Special provisions for carriage - Packages (ADR) : V11  
Special provisions for carriage - Bulk (ADR) : VC1, VC2, AP2  
Hazard identification number (Kemler No.) : 40  
Orange plates :



Tunnel code : E  
EAC code : 1Z

#### Transport by sea

Special provisions (IMDG) : 216, 274  
Packing instructions (IMDG) : P002  
Special packing provisions (IMDG) : PP9  
IBC packing instructions (IMDG) : IBC06  
IBC special provisions (IMDG) : B21

### 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
	Supersedes	Modified	
	Review date	Modified	



# MIDA SAN 311 KZ WIPES

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

	Display additional SDS EU addresses	Added	
1.1	Name	Added	
1.1	Product code	Added	
1.2	Use of the substance/mixture	Added	
1.2	Main use category	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	Hand protection	Modified	
9.1	Physical state/form	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.