

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : MIDA SAN 311  
 Product group : Klenzan Product

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Cleaning product

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Christeyns Food Hygiene Ltd.  
 2 Cameron Court, Winwick Quay  
 WA2 8RE Warrington - United Kingdom  
 T 01925 234696 - F 01925 234693  
[UK-foodinfo@christeyns.com](mailto:UK-foodinfo@christeyns.com) - [www.christeynsfoodhygiene.co.uk](http://www.christeynsfoodhygiene.co.uk)

#### 1.4. Emergency telephone number

Emergency number : 01925 234696 (09:00-17:00 GMT)

| Country        | Organisation/Company  | Address                                  | Emergency number   | Comment |
|----------------|---|--|--|---------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                  | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital | Dudley Road<br>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]

Flammable liquids, Category 3 H226  
 Serious eye damage/eye irritation, Category 1 H318  
 Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
 Full text of 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) :



Signal word (CLP) :

Danger

Hazardous ingredients :

Propan-1-ol; Propan-2-ol

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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 - Avoid breathing mist, spray.

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

### 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 Directive 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------|---|---------|--|---|
| Propan-1-ol | (CAS-No.) 71-23-8<br>(EC-No.) 200-746-9<br>(EC Index-No.) 603-003-00-0                                | 30 - 65 | F; R11<br>Xi; R41<br>R67                         | Flam. Liq. 2, H225<br>Eye Dam. 1, H318<br>STOT SE 3, H336       |
| Propan-2-ol | (CAS-No.) 67-63-0<br>(EC-No.) 200-661-7<br>(EC Index-No.) 603-117-00-0<br>(REACH-no) 01-2119457558-25 | 15 - 30 | F; R11<br>Xi; R36<br>R67                         | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336     |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).                        |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if breathing difficulty persists.                              |
| First-aid measures after 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. |
| First-aid measures after eye contact  | : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Obtain emergency medical attention.                     |
| First-aid measures after ingestion    | : Do NOT induce vomiting. Rinse mouth. Drink directly plenty of water or milk. Obtain emergency medical attention.                                       |

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

|                  |   |
|------------------|---|
| Symptoms/effects | : Irritation of the respiratory tract and the other mucous membranes. Risk of serious damage to eyes. Vapours may cause drowsiness and dizziness. |
|------------------|---|

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

Prompt action is critical.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). Use extinguishing media appropriate for surrounding fire. |
|------------------------------|--|

### 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.  |

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### 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. Contain and collect spillages with non-combustible absorbent materials.

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.

#### 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)

Cleaning product.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Propan-1-ol (71-23-8) |                               |                        |
|-----------------------|-------------------------------|------------------------|
| United Kingdom        | Local name                    | Propan-1-ol            |
| United Kingdom        | WEL TWA (mg/m <sup>3</sup> )  | 500 mg/m <sup>3</sup>  |
| United Kingdom        | WEL TWA (ppm)                 | 200 ppm                |
| United Kingdom        | WEL STEL (mg/m <sup>3</sup> ) | 625 mg/m <sup>3</sup>  |
| United Kingdom        | WEL STEL (ppm)                | 250 ppm                |
| Propan-2-ol (67-63-0) |                               |                        |
| United Kingdom        | Local name                    | Propan-2-ol            |
| United Kingdom        | WEL TWA (mg/m <sup>3</sup> )  | 999 mg/m <sup>3</sup>  |
| United Kingdom        | WEL TWA (ppm)                 | 400 ppm                |
| United Kingdom        | WEL STEL (mg/m <sup>3</sup> ) | 1250 mg/m <sup>3</sup> |
| United Kingdom        | WEL STEL (ppm)                | 500 ppm                |

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Good ventilation of the workplace required.

##### 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.

##### Eye protection:

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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.

### Skin and body protection:

Wear suitable protective clothing. In case of large spillages: PVC apron covering the tops of the boots. Boots made of PVC

### Respiratory protection:

Not required for normal conditions of use

## SECTION 9: Physical and chemical properties

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

|  |                                |
|--|--------------------------------|
| Physical state                             | : Liquid                       |
| Appearance                                 | : Clear Liquid.                |
| Colour                                     | : Colourless.                  |
| Odour                                      | : Alcohol.                     |
| Odour threshold                            | : No data available            |
| pH   | : 9 , 100%                     |
| Relative evaporation rate (butylacetate=1) | : No data available            |
| Melting point                              | : < 0 °C                       |
| Freezing point                             | : No data available            |
| Boiling point                              | : No data available            |
| Flash point                                | : 27.5 °C                      |
| Auto-ignition temperature                  | : No data available            |
| Decomposition temperature                  | : No data available            |
| Flammability (solid, gas)                  | : Flammable liquid and vapour. |
| Vapour pressure                            | : No data available            |
| Relative vapour density at 20 °C           | : No data available            |
| Relative density                           | : No data available            |
| Density                                    | : 0.86                         |
| 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

Stable under normal conditions.

### 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 toxicological effects

Acute toxicity (oral) : Not classified

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Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| <b>Propan-1-ol (71-23-8)</b> |                    |
|------------------------------|--------------------|
| LD50 oral rat                | 1870 mg/kg         |
| LD50 dermal rabbit           | 4000 - 10000 mg/kg |
| LC50 inhalation rat (mg/l)   | > 33.8 mg/l/4h     |

| <b>Propan-2-ol (67-63-0)</b> |                    |
|------------------------------|--------------------|
| LD50 oral rat                | 4700 - 54500 mg/kg |
| LC50 inhalation rat (mg/l)   | 46 - 73 mg/l/4h    |

Skin corrosion/irritation : Not classified  
pH: 9 , 100%

Serious eye damage/irritation : Causes serious eye damage.  
pH: 9 , 100%

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>Propan-2-ol (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-repeated exposure : Not classified

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

| <b>Propan-1-ol (71-23-8)</b> |           |
|------------------------------|-----------|
| LC50 fish 1                  | 4480 mg/l |
| EC50 Daphnia 1               | 3644 mg/l |
| ErC50 (algae)                | 3100 mg/l |

| <b>Propan-2-ol (67-63-0)</b> |            |
|------------------------------|------------|
| LC50 fish 1                  | 9640 mg/l  |
| EC50 Daphnia 1               | 9714 mg/l  |
| EC50 72h algae (1)           | > 100 mg/l |

### 12.2. Persistence and degradability

| <b>Propan-1-ol (71-23-8)</b> |      |
|------------------------------|------|
| Biodegradation               | 83 % |

| <b>Propan-2-ol (67-63-0)</b> |      |
|------------------------------|------|
| Biodegradation               | 95 % |

### 12.3. Bioaccumulative potential

| <b>Propan-1-ol (71-23-8)</b> |             |
|------------------------------|-------------|
| Log Pow                      | 0.25 - 0.34 |

| <b>Propan-2-ol (67-63-0)</b> |      |
|------------------------------|------|
| Log Kow                      | 0.05 |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| <b>MIDA SAN 311</b>       |  |
|---------------------------|--|
| Results of PBT assessment | The product does not meet the PBT and vPvB classification criteria |

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### 12.6. 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

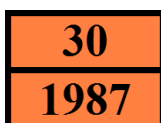
In accordance with ADR / IMDG

| ADR  | IMDG  |
|--|---|
| <b>14.1. UN number</b>   |   |
| 1987   | 1987  |
| <b>14.2. UN proper shipping name</b>   |   |
| ALCOHOLS, N.O.S.   | ALCOHOLS, N.O.S.  |
| <b>Transport document description</b>  |   |
| 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 (27.5°C c.c.)       |
| <b>14.3. Transport hazard class(es)</b>  |   |
| 3  | 3   |
|  |  |
| <b>14.4. Packing group</b>   |   |
| III  | III   |
| <b>14.5. Environmental hazards</b>   |   |
| Dangerous for the environment : No   | Dangerous for the environment : No<br>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) : 5I  
Excepted quantities (ADR) : E1  
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 restriction code (ADR) : D/E

#### - Transport by sea

Special provisions (IMDG) : 223, 274  
Limited quantities (IMDG) : 5 L

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|                                 |               |
|---------------------------------|---------------|
| Excepted quantities (IMDG)      | : E1          |
| Packing instructions (IMDG)     | : P001, LP01  |
| IBC packing instructions (IMDG) | : IBC03       |
| Tank instructions (IMDG)        | : T4          |
| Tank special provisions (IMDG)  | : TP1, TP29   |
| EmS-No. (Fire)                  | : F-E         |
| EmS-No. (Spillage)              | : S-D         |
| Stowage category (IMDG)         | : A           |
| Flash point (IMDG)              | : 27.5°C c.c. |

### 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

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Danish product registration number : 2366509

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H226;H318;H336>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

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 R-, 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 |

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|      |                                     |
|------|-------------------------------------|
| 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.  |

REACH 22112017

*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*