

Revision Date: 17/11/2022

Revision No: 12

## MATERIAL SAFETY DATA SHEET

For

**Denatured Ethanol 70%/ TSDA7 70% Range Products**

**This Safety Data Sheet Covers Products**

Product Name	Item Numbers
Denatured Ethanol 70% in WFI	All ranges
TSDA7 70% in WFI	All ranges
Sterile Alcohol 70% v/v- 70% Denatured Ethanol in WFI	All ranges
Sterile Denatured Wipes	All ranges
DE 70% WFI- 5L	1116
Sterile DE 70% WFI- 5L	0036 / 0060
Sterile Alcohol T/Spray DE- 900ml	105665 / 0058
Sterile Alcohol T/Spray TSDA7- 900ml	105670
TSDA7 70% v/v in WFI- 860 kg	180204
DE 70% in WFI- 1L	0028
4YPIN- 10 X 50 per case	31823
Sterile Denatured Alcohol Wipes – 10 x 10 per case	5568
4YPIN Sterile Alcohol- 20 x 15 wipes per case	0075

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SAFETY DATA SHEET

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Product Name: DENATURED ETHANOL 70% V/V IN WFI
- Product Part Number:

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

- Use of the substance/mixture: Cleaning agent

**1.3 Details of the supplier of the safety data sheet**

- Name of Supplier: Agma Ltd
- Address of Supplier: Gemini Works  
Haltwhistle  
Northumberland  
NE49 9HA  
UK
- Telephone: Tel: +44(0) 1434 320598
- Responsible Person: Malcolm Franklin
- Email: Sds@agma.co.uk

**1.4 Emergency telephone number**

- Emergency Telephone: Tel: +44(0) 1434 320598  
Monday - Thursday : 8:30 - 17:00 (GMT)  
Friday: 8:30 - 14:30(GMT)  
(office hours only)  
Out-of-hours Contact: Alan Barnes  
Tel:+44 (0)7936 966108

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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

- CLP: Flam. Liq. 2, Eye Irrit. 2

**2.2 Label elements**

- Signal Word: Danger

**Hazard statements**

- H225 - Highly flammable liquid and vapour.
- H319 - Causes serious eye irritation.
- EUH066 - Repeated exposure may cause skin dryness or cracking.

**Precautionary statements**

**SECTION 2: Hazards identification (....)**

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

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

**2.3 Other hazards**

- EUH018 - In use may form flammable/explosive vapour-air mixture.
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**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Ethanol; Ethyl Alcohol**

CAS Number: 64-17-5

EC Number: 200-578-6

Concentration: 50-70%

Specific Concentration Limits: Not available

M factor: Not available

Acute toxicity estimate: Not available

Categories: Eye Irrit. 2; Flam. Liq. 2

H Statements: H225, H319

**Propan-2-ol; Isopropyl Alcohol; Isopropanol**

CAS Number: 67-63-0

EC Number: 200-661-7

Concentration: 1-10%

Specific Concentration Limits: None assigned

M factor: Not available

Acute toxicity estimate: Not available

Categories: Eye Irrit. 2; STOT SE 3; Flam. Liq. 2

H Statements: H225, H336, H319

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**SECTION 4: First aid measures****4.1 Description of first aid measures****Contact with eyes**

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes

P337+P313 - If eye irritation persists: Get medical advice/attention.

**Contact with skin**

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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## SECTION 4: First aid measures (....)

### Ingestion

- P331 - Do NOT induce vomiting.
- Rinse mouth with water (only if the person is conscious)
- Give plenty of water to drink
- P315 - Get immediate medical advice/attention.

### Inhalation

- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P314 - Get medical advice/attention if you feel unwell.

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

- May cause redness and irritation
- May cause irritation
- H335 - May cause respiratory irritation.
- May cause breathing difficulty

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

- No information available
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

### 5.2 Special hazards arising from the substance or mixture

- Highly Flammable
- May give off noxious and toxic fumes in a fire

### 5.3 Advice for firefighters

- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - Wear self-contained breathing apparatus.
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## SECTION 6: Accidental release measures

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

- Eliminate all sources of ignition.
- Wear protective clothing as per section 8
- Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2 Environmental precautions

- P273 - Avoid release to the environment.
- Contain the spillage using bunding.

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Remove contaminated material to safe location for subsequent disposal
- Disposal should be in accordance with local, state or national legislation
- P242 - Use non-sparking tools.

### 6.4 Reference to other sections

**SECTION 6: Accidental release measures (....)**

- Refer to section 8 of SDS for personal protection details.
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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Ensure adequate ventilation
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wear suitable protective clothing and gloves
- Shut off all ignition sources
- P242 - Use non-sparking tools.

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

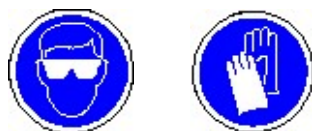
- Keep container tightly closed, in a cool, well ventilated place
- Keep only in the original container
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**7.3 Specific end use(s)**

- No information available
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

- Hazardous Material: Ethanol; Ethyl Alcohol
- TLV (TWA): 1000 ppm, 154 mg/m<sup>3</sup>
- Hazardous Material: Propan-2-ol; Isopropyl Alcohol; Isopropanol
- TLV (TWA): 400 ppm, 999 mg/m<sup>3</sup>
- TLV (STEL): 500 ppm 1250 mg/m<sup>3</sup>

**8.2 Exposure controls**

- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - Ensure adequate ventilation
  - Eyewash bottles should be available
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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Physical state: Liquid
- Colour: Colourless
- Odour: Alcohol odour
- Melting point/Range: Not available
- Boiling Point/Range: Not available
- Flammability: Not available
- Flashpoint: 20.5 C c.c. (closed cup)

## SECTION 9: Physical and chemical properties (....)

- pH: 6.0 - 9.0
- Solubility in water: Completely soluble in water
- Density: 0.880 - 0.888 g/cm<sup>3</sup> at 20 °C
- Viscosity: Non-viscous

### 9.2 Other information

- No information available
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- This article is considered stable under normal conditions

### 10.2 Chemical stability

- This article is considered 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

- Keep away from heat and sources of ignition

### 10.5 Incompatible materials

- Strong acids.
- Strong oxidising agent

### 10.6 Hazardous decomposition products

- May give off noxious and toxic fumes in a fire
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## SECTION 11: Toxicological information

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

#### Acute toxicity

Hazardous Material: Ethanol; Ethyl Alcohol

LD<sub>50</sub> (oral, rat): >2000 mg/kg

LD<sub>50</sub> (dermal, rabbit): >2000 mg/kg

LC<sub>50</sub> (inhalation, rat): >20 mg/l/4h

Hazardous Material: Propan-2-ol; Isopropyl Alcohol; Isopropanol

LD<sub>50</sub> (oral, rat): >2000 mg/kg

LD<sub>50</sub> (dermal, rabbit): >2000 mg/kg

LC<sub>50</sub> (inhalation, rat): >25 mg/l/6h

#### Skin corrosion/irritation

See Section 4.1.2

#### Serious eye damage/irritation

See Section 4.1.1

#### Respiratory or skin sensitisation

**SECTION 11: Toxicological information (....)**

See Section 4.1

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

No information available

**Reproductive toxicity**

No information available

**STOT (specific target organ toxicity) - single exposure**

No information available

**STOT (specific target organ toxicity) - repeated exposure**

No information available

**Aspiration hazard**

See Section 4.1.4

**11.2 Information on other hazards**

- No information available
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**SECTION 12: Ecological information****12.1 Toxicity**

- Hazardous Material: Ethanol; Ethyl Alcohol
- LC<sub>50</sub> (golden orfe (*Leuciscus idus*)): >100 mg/l (48 hr)
- EC<sub>50</sub> (*Daphnia magna*): >100 mg/l (24 hr)
- EC50 (algae) >100 mg/l (72 hr)
- Hazardous Material: Propan-2-ol; Isopropyl Alcohol; Isopropanol
- LC<sub>50</sub> (golden orfe (*Leuciscus idus*)): >100 mg/l (48 hr)
- EC<sub>50</sub> (*Daphnia magna*): >100 mg/l (48 hr)
- EC50 (algae) >100 mg/l (72 hr)

**12.2 Persistence and degradability**

- No information available

**12.3 Bioaccumulative potential**

- No information available

**12.4 Mobility in soil**

- No information available

**12.5 Results of PBT and vPvB assessment**

- No information available

**12.6 Endocrine disrupting properties****12.7 Other adverse effects**

- No information available
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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
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## SECTION 14: Transport information



### 14.1 UN number or ID number

- UN No.: 1170

### 14.2 UN proper shipping name

- Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

### 14.3 Transport hazard class(es)

- Hazard Class: 3
- ADR Hazard Class: 3
- ADR Classification Code: F1
- IMDG Hazard Class: 3

### 14.4 Packing group

- Packing Group: II

### 14.5 Environmental hazards

- Presents no hazard to the environment

### 14.6 Special precautions for user

- Limited Quantity 1L
- IMDG EmS: F-E, S-D
- Tunnel Code: D/E

### 14.7 Maritime transport in bulk according to IMO instruments

- No information available
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## SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830
- and CLP (Regulation 1272/2008)

### 15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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## SECTION 16: Other information

## SECTION 16: Other information (....)

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-  
H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.

### Legal Disclaimer

- The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

--- end of safety datasheet ---

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