

MATERIAL SAFETY DATA SHEET

STERILE TSDA ALCOHOL BLEND

1. Identification

1.1. Product Name	70% TSDA-7 (Trade Specific Denatured Alcohol), 30% WFI-Quality Demineralised Water.
Product Code	UPWTSDA3070.
Product Type	Liquid.
1.2 Identified Uses	Variety of cleaning applications.
1.3 Supplier	Aquazero Limited. Ramco Facility. Church Road South. Skegness. Lincolnshire. PE25 3RS. Tel: +44 (0)1754 880232. enquiries@aquazero.com.
1.4 Emergency Tel	Aquazero Limited, +44 (0)1754 880232.

2 Hazards Identification

2.2 GHS Pictograms



2.3 Signal Word

DANGER!

2.4 Hazard Statements

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

2.5 GHS Classification

Flammable liquid – category 2.

Eye irritant – category 2.

Specific target organ toxicity, single exposure – category 3.

2.6 Precautionary Statements

Wear protective gloves, protective clothing, and eye protection.

Keep away from heat/hot surfaces/sparks/open flames. No smoking.

In case of fire: Use dry chemical to extinguish fires.

Avoid breathing vapours.

Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.

Keep container lightly closed.

Take precautionary measures against static discharge.

Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.

3 Composition/Information on Ingredients

3.2 CAS Number

Ethanol – CAS # 64-17-5 – 66.5% v/v – EC # 200-578-6

Propan-2-ol – CAS # 67-63-0 – 3.5% v/v – EC # 200-661-7

4 First-aid measures

- 4.1. Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- 4.2. Skin Contact** Flush skin immediately with plenty of water for at least 15 minutes. If skin irritation occurs, get medical advice/attention.
- 4.3. Inhalation** Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.
- 4.4. Ingestion** If swallowed, do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink small quantities of water.

5 Fire-Fighting Measures

- 5.2 Flash Point** 20.5 °C (69 °F)
- 5.3 Extinguishing Media** Use dry chemical, CO₂, water fog or foam.
- 5.3. Specific Hazards** Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structures.
- 5.4. Fire Fighting Procedures** Move containers from fire area if safe to do so. Use water spray to keep fire-exposed containers cool. Fire-fighters should wear appropriate protective equipment including a full face-piece operated in positive pressure self-contained breathing apparatus.

6 Accidental Release Measures

- 6.1. Personal Precautions** Evacuate area and keep unnecessary personnel from entering the spill area. Avoid breathing vapour, aerosol or mist. Avoid contact with skin, eyes and clothing.
- 6.2. Environmental Precautions** Avoid runoff into waterways, sewers, drains and soil. Inform the relevant authorities if the product has caused environmental pollution.
- 6.3. Containment and Cleanup** Inert absorbent material should be used to contain spills. Small spills should be flushed with large amounts of water. Larger spills should be collected and disposed of appropriately. Absorb or wipe any residual liquids.

7 Handling and Storage

- 7.1. Handling** Use with adequate ventilation. Avoid breathing vapour and fumes. To reduce potential for static discharge, bond and ground containers when transferring material.
- 7.2. Storing** Store in a cool, dry, ventilated area away from direct sunlight and sources of heat. Eliminate all ignition sources. Keep container tightly closed when not in use.

8 Exposure Controls/Personal Protection

- 8.1. Exposure Controls** Ensure there is sufficient ventilation of the area. Use only explosion-proof ventilation equipment. Keep worker exposure to airborne contaminants below any recommended or statutory limits.
- 8.2. Personal Protection**
 Eye Protection: Tightly fitting safety goggles. Wear a face shield when splash hazard exists.
 Hand Protection: Chemical-resistant, impervious gloves (consult glove manufacturer's data for permeability data). Avoid gloves made with polyvinyl alcohol.
 Respiratory Protection: If exposure exceeds occupational exposure limits, use a NIOSH-approved respirator.
 Other Protective Equipment: Other clothing as required to minimise contact.

9 Physical and Chemical Properties

- 9.2 Physical State** Liquid
- 9.3 Colour** Colourless
- 9.4 Odour** Alcohol
- 9.5 pH** 5.0 - 9.0
- 9.6 Specific Gravity** 880 - 888 kg /m³
- 9.7 Flash Point** 20.5 °C (69 °F)

10 Stability and Reactivity

10.2 Chemical Stability	Stable under normal temperatures and pressures.
10.3 Hazardous Polymerisation	Will not occur.
10.4 Conditions to Avoid	Avoid all sources of ignition and heat and incompatible materials.
10.5 Incompatible Materials	Avoid contact with oxidising agents and strong acids.
10.6 Hazardous Decomposition	Toxic fumes emitted during combustion.

11 Toxicological Information

11.1. Routes of Exposure	Eye: Causes serious irritation. Skin: May cause mild irritation. Ingestion: May cause nausea or vomiting. Inhalation: May cause drowsiness and dizziness.
11.2. Delayed / Immediate Effects	Immediate effects can be expected after short-term exposure.

12 Ecological Information

12.2 Ecotoxicity	No ecotoxicity data is available for this product.
12.3 Persistence and Degradability	There is no data available.
12.4 Bioaccumulative Potential	No potential.
12.5 Mobility in Soil	Readily absorbed into soil.
12.6 Other Adverse Effects	No known significant effects.

13 Disposal Considerations

13.1. Disposal Methods	Waste products and contaminated containers should be disposed of via a licenced waste disposal contractor. Refer to relevant Authority guidance, for example local Environment Protection Agency.
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14 Transport Information

14.2 Shipping Name	Flammable Liquids (N.O.S.).
14.3 UN Number	UN1993
14.4 Hazard Class	3
14.5 Packing Group	II
14.6 Environmental Hazards	No.
14.7 Marine Pollutant	No.

15 Regulatory Information

15.2 EU Regulations	This datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
15.3 EEC Classification	Highly flammable, Irritant.
15.4 Chemical Safety Assessment	A chemical safety assessment has not been carried for the substance

16 Other Information

16.2 Date of Issue	5 March 2020
16.2. Notice to Reader	To the best of our knowledge, the information contained herein is accurate. The company shall not be held liable whatsoever for the accuracy or completeness of the information contained herein.