

# SAFETY DATA SHEET

# AGMAX Sorbitol

## SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION

SYNONYMS: D-Glucitol, D-Sorbitol  
PROPER SHIPPING NAME: Sorbitol solution 70%  
CAS NUMBER: 50-70-4  
UN NUMBER: N/A  
PRODUCT USE: Emollient with Agmax Teatsprays

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## SECTION 2 : HAZARDS IDENTIFICATION

### STATEMENT OF HAZARDOUS NATURE

Classified as Non-Hazardous according to the criteria of the Global Harmonised system of Classification and Labelling of chemicals (GHS)

### PICTOGRAMS

None

Dangerous Goods Class: N/A UN No. N/A  
Hazchem: N/A

Classified as GRAS (generally regarded as safe) by NZSFA register

## SECTION 3 : COMPOSITION

Appearance: Clear, water-white slightly viscous liquid, sweet taste

CAS No:	50-70-4	Sorbitol	69 - 71%
	7732-18-5	Water	29 - 31%

## SECTION 4 : FIRST AID MEASURES

### SWALLOWED

Product is FDA approved food additive. Large doses may cause gastrointestinal upset.

If large amounts swallowed, give water to drink and seek medical advise.

### EYE

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No adverse effects expected

If in eyes, hold eyes open and flood with water for 10 to 15 minutes. If irritation persists, see a doctor.

### **SKIN**

Remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation develops, consult a doctor.

### **INHALED**

No adverse health effects expected from inhalation.

Remove to fresh air. Get medical attention for any breathing difficulties.

### **NOTES TO PHYSICIAN**

Treat symptomatically.

## **SECTION 5 : FIRE FIGHTING MEASURES**

### **EXTINGUISHING MEDIA**

In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions: water, water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>).

### **HAZARDS FROM COMBUSTION PRODUCTS**

Non-combustible liquid. Product is an aqueous solution and will not burn. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### **FIRE FIGHTING**

Alert Fire Brigade and tell them location and nature of hazard.

Wear breathing apparatus plus protective gloves.

Use water delivered as a fine spray to control fire and cool adjacent area.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

If safe to do so, remove containers from path of fire.

Equipment should be thoroughly decontaminated after use.

### **FIRE/EXPLOSION HAZARD**

Non-combustible liquid.

Combustion products include: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), other pyrolysis products typical of burning organic material.

### **FIRE INCOMPATIBILITY**

Incompatible with strong oxidizing agents, alkaline solution, non-stainless metal and sources of ignition.

### **PERSONAL PROTECTIVE EQUIPMENT**

Firefighters should wear protective firefighting clothing (including firefighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency personnel. Stay upwind.

Eliminate ignition sources. Mists containing combustible materials may be explosive.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****MINOR SPILLS**

Clean up all spills immediately.

Stop leak if safe to do so.

Avoid contact with skin and eyes.

Use wet clean up procedures and avoid generating mists.

Soak up spilled product using absorbent non-combustible material such as sand or soil.

When saturated, collect material into suitable, labelled, sealable, containers and hold for safe disposal.

**MAJOR SPILLS**

Clear area of personnel.

Control personal contact by using protective equipment.

Dam or dyke spilled material. Attempt to prevent spillage from entering drains, sewers or water courses.

Recover product wherever possible.

Soak up spilled product using absorbent non-combustible material such as sand or soil.

When saturated, collect material into suitable, labelled, sealable, containers and hold for safe disposal.

Wash spill area with plenty of water.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

**SECTION 7 : HANDLING AND STORAGE****PROCEDURE FOR HANDLING**

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with skin and eyes. Keep containers closed until ready for use.

**SUITABLE CONTAINER**

Food Grade PE Lined Drums.

Packing as recommended by manufacturer.

Lined metal can, Lined metal pail.

Plastic pail.

Check all containers are clearly labelled and free from leaks.

**STORAGE INCOMPATIBILITY**

Avoid contamination.

Store away from Dangerous Goods and Toxic Substances. Incompatible with strong oxidizing agents, alkaline solution, non-stainless metal and sources of ignition.

**STORAGE REQUIREMENTS**

Observe manufacturer's storing and handling recommendations.

## SECTION 8 : EXPOSURE CONTROLS &amp; PERSONAL PROTECTION

## EXPOSURE CONTROLS

The following materials had no OELs on our records

▫ Sorbitol Solution CAS 50-70-4

No exposure limits set by WorkSafe New Zealand.

## PERSONAL PROTECTION EQUIPMENT (PPE)

## VENTILATION SYSTEM:

Remove vapours as necessary. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

## PERSONAL RESPIRATORS

Respirators are not required, however, if in doubt, seek expert occupational hygiene advice. AS/NZS 1715:2009 and AS/NZS 1716:2012.

## SKIN PROTECTION:

Wear protective clothing, including closed shoes, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

## EYE PROTECTION:

Use chemical safety goggles or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

## APPEARANCE

Colourless clear viscous liquid.

## PHYSICAL PROPERTIES

Property	Value
Molecular Weight:	Mixture
Melting Range (°C):	N/A
Solubility in water (g/L):	Soluble
pH (1% solution):	Neutral
Volatile Component (%vol):	Nil
Relative Vapor Density (air=1):	Not Applicable
Lower Explosive Limit (%):	Not Applicable
Autoignition Temp (°C):	Not available
State:	Liquid
Boiling Range (°C):	105
Specific Gravity (water=1):	1.4
pH (as supplied):	Neutral
Evaporation Rate:	Not available
Flash Point (°C):	Not Applicable
Upper Explosive Limit (%):	Not Applicable
Decomposition Temp (°C):	Not applicable
Viscosity (25°C):	110cps

**SECTION 10 : STABILITY AND REACTIVITY****Chemical Stability**

Product is stable under normal conditions of use, storage and temperature.

**Conditions to Avoid**

Avoid excessive heat, direct sunlight, static discharges, moisture, freezing, alkaline fume and high temperatures.

**Incompatible Materials**

Incompatible with strong oxidizing agents, alkaline solution, non-stainless metal and sources of ignition.

**Hazardous Decomposition Products**

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

**Hazardous Reactions**

Hazardous polymerization will not occur.

**SECTION 11 : TOXICOLOGICAL INFORMATION****POTENTIAL ACUTE HEALTH EFFECTS****ACUTE HEALTH EFFECTS****SWALLOWED**

Ingestion of doses >50 grams may have a laxative effect.

**EYE**

The material may produce foreign body irritation in certain individuals.

**SKIN**

The material is not thought to produce adverse health effects or skin irritation following contact

**INHALED**

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

**CHRONIC HEALTH EFFECTS**

Not available

**TOXICITY AND IRRITATION DATA****TOXICITY**

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Oral (mouse) LD<sub>50</sub>: 23200 mg/kg  
Dermal (mouse) LD<sub>50</sub>: 29600 mg/kg  
Inhalation (mouse) LD<sub>50</sub>: >20mg/L / 4hrs

### IRRITATION

Nil Reported.

Sensitisation (respiratory/contact): Not available.

Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Mutagenic effects: Not available.

Reproductive or developmental effects: Not available.

Aspiration hazard: Not available.

Specific target organ toxicity: Not available.

## SECTION 12 : ECOLOGICAL INFORMATION

### ECOTOXICITY

Non-hazardous in the aquatic environment.

### TOXICITY DATA

No information available on ecological toxicity for this product.

### Persistence and Degradability

This product is biodegradable.

### Mobility

No information available on mobility for this product.

### Environmental Fate (Exposure)

Do not allow product to enter drains, waterways or sewers.

### Bioaccumulative Potential

No information available on bioaccumulation for this product.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Recycle wherever possible.

Consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

Empty contaminated packaging should be taken for local recycling, recovery or waste disposal.

### PRODUCT DISPOSAL

Dispose of in accordance with local regulations.

**SECTION 14 : TRANSPORT INFORMATION**

HAZCHEM:	None
NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.	
UN No.	N/A
Dangerous Goods Class:	N/A
Hazchem code:	N/A
Packing group:	N/A
Proper Shipping Name:	Sorbitol 70% solution

**SECTION 15 : REGULATORY INFORMATION**

## REGULATIONS

Non-Hazardous.

## TRANSFER NOTICE

Not Transferred, Not a Hazardous Substance.

Controls applying to this substance are:

None, not hazardous

Sorbitol CAS Number 50-70-4 is found on the following regulatory lists:

New Zealand - Australia New Zealand Food Standards Code - Food Additives - Schedule 2

Miscellaneous additives permitted in accordance with GMP in processed foods specified in Schedule 1

CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP.

Listed on the following inventories: NZIoC, AICS, TSCA, DSL

New Zealand Poisons Information Center 0800 POISON (0800 764 766)

## Disclaimer:

The data given relates to this product alone, and not to its use in conjunction with other substances or products. In such circumstances, assuming the combination is permitted, refer to product labels, be guided by the most hazardous of the substances involved and observe the more stringent hazard controls applicable.

The information contained in this Safety Data Sheet was obtained from current and reliable sources. The data is supplied without warranty, expressed or implied regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.

Amendments: Updated formatting and reviewed data.

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