

## Material Safety Data Sheet

### Section 1 Chemical Product and Company Identification

MSDS Name: Severn Alco-gel  
 Product Code: 40-7500-01, 40-7500-02, 40-7500-05  
 Synonyms: None  
 Company identification: Severn Biotech Limited  
 Unit 2 Park Lane Industrial Estate  
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 Worcestershire  
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### Section 2 - Composition, Information on Ingredients

CAS	Chemical Name	EINECS	Risk Phrases
64-17-5	Ethanol, denatured	200-578-6	F R11
7732-18-5	Aqua	None	None
124-68-5	2-amino-2-methyl-1-propanol	None	None
None	Carbomer	None	None

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW Flammable, irritating to eyes

#### Potential Health Effects

Eye: There may be irritation and redness. Corneal burns may occur.  
 Skin: Unlikely to cause any symptoms under normal use.  
 Ingestion: Nausea and stomach pain may occur. There may be vomiting and diarrhoea.  
 Inhalation: Unlikely to cause any symptoms under normal use.  
 Chronic: There may be loss of consciousness or convulsions from ingestion of large volumes.

### Section 4 - First Aid Measures

Eye: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.  
 Skin: If signs of irritation or discomfort, seek medical attention.  
 Ingestion: Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in recovery position. Transfer to hospital as soon as possible.  
 Inhalation: Take the person into fresh air.  
 Chronic: Transfer to hospital as soon as possible.

Notes to Physician: Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

General Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.  
 Fire: Highly flammable. Vapour may travel considerable distance to source of ignition and flash back.

**Explosion:** Forms explosive air-vapour mixture. It should be noted that it is highly unlikely that user levels will result in the above.  
**Extinguishing Media:** Carbon dioxide. Alcohol resistant foam.

## Section 6 - Accidental Release Measures

For large quantities, eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel. For usage quantities, avoid contact with eyes.

Do not allow large amounts to be released into the sewer system.

To clean up: mix with sand or vermiculite. If inside, transfer outside of building in suitable containers. For small spills, absorb on to paper and allow to evaporate in a fume cupboard. Wash the spillage site with large amounts of water.

## Section 7 - Handling and Storage

Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden.

Store in a cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Ensure lighting and electrical equipment are not a source of ignition.

## Section 8 - Exposure Controls, Personal Protection

**Airborne Exposure Limits:** None established for any component.

**Ventilation System:** In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**Personal Respirators (NIOSH Approved):** For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Skin Protection:** Not required

**Eye Protection:** Safety glasses. Maintain eye wash fountain and quick-drench facilities in work area.

## Section 9 - Physical and Chemical Properties

Physical State:	Gel
Colour:	Colourless
Odour:	Alcoholic
pH:	6.0-7.0
Vapour Pressure:	36mbar @ 20°C
Vapour Density:	Not available
Evaporation Rate:	Not available
Viscosity:	Non-viscous to slightly viscous
Boiling Point:	80.3 °C
Freezing/Melting Point:	-44 °C
Decomposition Temperature:	Not available
Solubility in water:	Soluble
Specific Gravity/Density:	0.875
Molecular Formula:	Not applicable
Molecular Weight:	Not applicable
Flammability Limits:	Lower 3.5%, upper 19%
Flash Point:	21 °C

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, high temperatures, sources of ignition, flames.

Incompatibilities with Other Materials: Oxidising agents  
Hazardous Polymerization will not occur.

### **Section 11 - Toxicological Information**

LD50/LC50: IVN Rat 1440 mg/kg

ORL Mouse 3450 mg/kg

ORL Rat 7060 mg/kg

Carcinogenicity: Not specified as carcinogenic

Other: See actual entry in RTECS for complete information.

### **Section 12 - Ecological Information**

Volatile. Soluble in water. Absorbed only slowly into soil. Material is biodegradable and not expected to be persistent or significantly bioaccumulate.

### **Section 13 - Disposal Considerations**

Mix or dissolve with a combustible material and burn in a chemical incinerator equipped with afterburners and scrubbers. Transfer to waste solvent drum for collection by specialist disposal company.

Rinse packaging with water and dispose as normal industrial waste.

Adhere to regional or national regulations regarding disposal.

### **Section 14 - Transport Information**

Shipping Name: ALCOHOLS, N.O.S.

Hazard Class: 3

UN Number: 1987

Packing Group: II

### **Section 15 - Regulatory Information**

European/International Regulations

European Labelling in Accordance with EC Directives

Hazard Symbols: Highly flammable

Risk Phrases:

R10: Flammable.

Safety Phrases:

S2: Keep out of the reach of children

S7: Keep container tightly closed

S16: Keep away from sources of ignition - No smoking

### **Section 16 - Other Information**

MSDS Creation Date: 04/01/2009

Revision number: 1

Revision Date: 04/02/2009

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