

# Material Safety Data Sheet

Infosafe No. ACQJH Issue Date: October 2002  
Product Name: LEISHMAN'S STAIN

ISSUED by SOUTBIOL

Not classified as hazardous according to criteria of NOHSC

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## COMPANY DETAILS

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### Company Name

Southern Biological (ABN 25 838 926 933)

### Address

19-21 Worrell Street Nunawading  
Vic 3131 Australia

### Tel/Fax

Tel: +61 3 9877 4597 Fax: +61 3 9894 2309

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## IDENTIFICATION

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### Product Name

LEISHMAN'S STAIN

### Proper Shipping Name

ETHANOL SOLUTIONS (ETHYL ALCOHOL)

### UN Number

1170

### DG Class

3

### Packing Group

II

### Hazchem Code

2[Y]E

### Poisons Schedule

S5

### Product Use

Biological stain.

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## Physical Data

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### Appearance

Liquid

**Melting Point**

-117°C (approx.)

**Boiling Point**

78°C (approx.)

**Vapour Pressure**

44 mmHg @ 20°C (approx.)

**Specific Gravity**

0.79 to 0.80 (approx.)

**Flash Point**

13°C (approx.)

**Flamm. Limit LEL**

3.5% (approx.)

**Flamm. Limit UEL**

19% (approx.)

**Solubility in Water**

Complete

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**Other Properties**

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**Stability**

Stable under normal conditions.

**Haz. Polymerization**

Will not occur.

**Materials to Avoid**

Oxidising agents, sulfuric acid, nitric acid.

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**Ingredients**

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<b>Ingredients</b>	<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Proportion</u></b>
	Ethanol	64-17-5	60-100 %
	Methanol	67-56-1	1-10 %
	Leishman's Stain	12627-53-1	0-1 %

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**HEALTH HAZARD INFORMATION**

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**Health Effects**

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**Acute - Swallowed**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system. Signs and symptoms are similar to those of alcohol intoxication.

**Acute - Eye**

May cause eye irritation, tearing, stinging, blurred vision, and redness.

**Acute - Skin**

May cause redness, itching and irritation.

**Acute - Inhaled**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. High concentrations may cause CNS symptoms similar to the 'Swallowed' section, above.

**Chronic**

Prolonged or repeated ingestion or inhalation, may cause degenerative changes in the liver, kidneys, hair, gastrointestinal tract and heart muscle.

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**First Aid**

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**Swallowed**

Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.

**Eye**

If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.

**Skin**

Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

**Inhaled**

Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.

**First Aid Facilities**

Eye wash and normal washroom facilities.

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**Advice to Doctor**

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**Advice to Doctor**

Treat symptomatically or consult a Poisons Information Centre.

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**Other Health Hazard Information**

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## PRECAUTIONS FOR USE

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<b>Exposure Limits</b>	<b>Name</b>	<b>mg/m3 (STEL)</b>	<b>ppm (STEL)</b>	<b>mg/m3 (TWA)</b>	<b>ppm (TWA)</b>	<b>TWA Footnote</b>
	Ethanol			1880	1000	
	Methanol	328	250	262	200	

### Eng. Controls

Ensure sufficient ventilation to keep airborne concentrations below exposure limits.

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### Personal Protection

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#### Respirator Type (AS 1716)

If engineering controls are not effective in controlling airborne exposure then a supplied air respirator should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

#### Eye Protection

Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

#### Glove Type

Where skin contact is likely to be prolonged or repeated impervious PVC or neoprene rubber gloves are recommended.

#### Clothing

Suitable workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

#### Work/Hygienic Practices

Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

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### Flammability

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#### Fire Hazards

HIGHLY FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Electrically link and ground metal containers for transfers of the product to prevent accumulation of static electricity. Keep the container tightly closed.

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## SAFE HANDLING INFORMATION

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## Storage and Transport

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### Storage Precautions

Store in a cool, dry, well ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. For information on the design of the store-room reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.

### Transport

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

### ADG Proper Shipping

#### Name

ETHANOL SOLUTIONS (ETHYL ALCOHOL)

#### ADG EPG Number

3A1

#### ADG IERG Number

14

#### Packaging Method

5.9.3RT1

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## Spills and Disposal

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### Spills & Leaks

Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Mop up the remaining material and place into the same container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## **Disposal**

Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Dispose of according to relevant local, state and federal government regulations.

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## **Fire/Explosion Hazard**

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### **Fire/Explos. Hazard**

This product is highly flammable. Vapours are heavier than air and will 'travel' to low-level areas e.g. sumps, drains, etc. and flashback. Precautions should be taken to eliminate the build up of explosive mixtures.

### **Hazardous**

#### **Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

#### **Fire Fighting Procedures**

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and water courses by any means possible.

#### **Extinguishing Media**

Use dry agent, foam or water mist.

#### **Hazchem Code**

2[Y]E

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## **OTHER INFORMATION**

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### **Toxicology**

No toxicity data is available for this product.

### **Environ. Protection**

Prevent this material entering waterways, drains and sewers.

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## **CONTACT POINT**

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### **Contact**

Southern Biological.  
Peter Ball

Ph: +61 3 9877 4597 (BH)  
0425 725 875 (AH)

**...End Of MSDS...**