

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Company Name:** Adams Healthcare Ecolab  
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**Product name:** SPIRIGEL

HAS106P

**Use / description of product:** Alcoholic Gel

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient 1:** ETHANOL 65-75%  
CAS: 64-17-5  
EINECS: 200-578-6  
[F] R11;

**Contains:** Purified Water  
Bitrex  
Glycerol  
Triethanolamine  
Carbomer

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Flammable.

**Other hazards:** Irritating to eyes.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** Unlikely to cause any symptoms under normal use.

**Eye contact:** There may be irritation and redness. Corneal burns may occur.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea. There may be loss of consciousness. Convulsions may occur.

**Inhalation:** Unlikely to be any symptoms under normal use conditions.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** If signs of irritation or discomfort, seek medical attention.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**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 the recovery position. Transfer to hospital as soon as possible.

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**Inhalation:** Take the person outside into fresh air.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide. Alcohol resistant foam.

**Exposure hazards:** Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture. It should be noted that it is highly unlikely that user levels will result in the above.

**Protection of fire-fighters:** In the event of fire affecting storage quantities: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Otherwise: No special measures necessary.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** 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.

**Environmental precautions:** Do not allow large amounts to be released into the sewer system.

**Clean-up procedures:** 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.

## 7. HANDLING AND STORAGE

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

**Storage conditions:** Store in 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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** For large spillage: Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Not required.

**Eye protection:** Wear goggles if product is likely to be splashed.

**Skin protection:** No special requirements

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Gel

**Colour:** Colourless

**Odour:** Alcoholic

**Viscosity:** Non-viscous

**Solubility in water:** Soluble

**Boiling point/range°C:** 80.3

**Melting point/range°C:** -44

**Flammability limits %: lower:** 3.5

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**upper:** 19  
**Flash point°C:** 21  
**Vapour pressure:** 36mbar@20C  
**Relative density:** 0.875  
**pH:** 6.0-7.0

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.  
**Conditions to avoid:** High Temperatures. Sources of ignition. Flames.  
**Materials to avoid:** Oxidising agents.

**11. TOXICOLOGICAL INFORMATION**

**Ingredient 1:** ETHANOL  
IVN RAT LD50 1440mg/kg  
ORL MUS LD50 3450mg/kg  
ORL RAT LD50 7060mg/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Volatile. Soluble in water. Absorbed only slowly into soil.  
**Persistence and degradability:** Biodegradable.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** 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.  
**Disposal of packaging:** Rinse with water and dispose as normal industrial waste  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 1987  
**ADR Class:** 3  
**Hazard ID no:** 33  
**Labelling:** 3  
**Shipping name:** ALCOHOLS, N.O.S.

**IMDG / IMO**

**UN no:** 1987  
**Class:** 3  
**Packing group:** II  
**EmS:** F-E,S-D  
**Marine pollutant:** .  
**Labelling:** 3

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**IATA / ICAO**

**UN no:** 1987  
**Class:** 3  
**Packing group:** II  
**Packing instructions:** 307  
**Quantity** 60 L  
**Labelling:** 3

**15. REGULATORY INFORMATION**

**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.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. ADDITIONAL INFORMATION**

**Risk phrases used in s.2:** R11: Highly flammable.

**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.