



SAFETY DATA SHEET

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

Product Name: Relisan 887/888
Use/description of product:
Company Name: Reliance Medical Ltd
The Radnor Building
Radnor Park Trading Estate
Back Lane, Congleton, Cheshire
CW12 4XP
Telephone: 08456 448808
Fax: 08456 448809

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components:
Conc: 70%
F: R11
CAS: 64-17-5
EINECS: 200-578-6

3. HAZARDS IDENTIFICATION

Most important hazards: Highly flammable.
Specific hazards: In use, may form flammable/explosive vapour-air mixture.

4. FIRST AID MEASURES

Skin contact: May cause skin irritation in susceptible persons. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.
Eye contact: May cause eye irritation of susceptible persons. Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Consult a physician if necessary.
Inhalation: Inhalation of vapours is irritating to the respiratory system, may cause

throat pain and a cough. Move to fresh air. Consult a physician after significant exposure.

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide (CO²) alcohol resistant foam water spray.
Specific hazards: Highly flammable. Flash back possible over considerable distance.
Special protective
Equipment for fire fighters: Wear self contained breathing apparatus if fire fighting is necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment.
Environmental precautions: Do not let product enter drains. Prevent further leakage or spillage if safe to do so.
Clean -up procedure: Soak up with inert absorbent material and dispose of as hazardous waste. After cleaning flush away traces with water.

7. HANDLING AND STORAGE

Handling requirements: In extreme circumstances these products may cause some irritation when contact with skin and eyes is made. Ensure adequate ventilation or exhaust ventilation in the working area. Ensure all equipment is electronically grounded before beginning transfer operations. Keep away from sources of ignition – no smoking.
Storage conditions: Keep containers tightly closed in a dry, cool and well ventilated place. Keep in properly labelled containers. Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit(s): WEL 8 -hr limit
ppm: 1000

	WEL 15 minutes
	limit ppm: -
	WEL 8 -hr limit mg/m ³ : 1920
	WEL 15 minute limit mg/m ³ : -
Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Respiratory protection:	Wear self contained breathing apparatus for fire fighting if necessary.
Hand protection:	PVC or other plastic material gloves.
Eye protection:	Goggles.
Skin and body protection:	Wear chemical protective clothing.

8. PHYSICAL AND CHEMICAL PROPERTIES

Description:	Liquid.
Colour:	Colourless.
Odour:	Alcoholic.
Flash point:	21°C.
Relative density:	0.87.
Viscosity test method:	Flow time in seconds in a 3mm ISO cup (ISO 2431) – Viscous.

9. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Heat, flame and sparks.
Materials to avoid:	Incompatible with strong acids and oxidising agents.
Hazardous decomposition products:	Burning produces obnoxious and toxic fumes.

10. TOXICOLOGICAL INFORMATION

Acute toxicity:	Ethanol: LD50/oral/mouse = 3450mg/kg LD50/oral/rat = 7060mg/kg.
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11. ECOLOGICAL INFORMATION

Ecotoxicity effects:	Harmful to aquatic organisms, may cause long term adverse affects in the aquatic environment.
Persistence and degradability:	According to the results of tests of biodegradability this product is considered as being readily biodegradable.

Bioaccumilation: Does not bioaccumulate.

12. DISPOSABLE CONSIDERATIONS

General information: Dispose of in accordance with local regulations.

13. TRANSPORT INFORMATION

ADR/RID: UN-No 1170
Class 3
Packing group 11
Hazard ID 33
Proper shipping name ETHANOL SOLUTION

IMO: UN No 1170
Class 3
Packing group 11
Marine pollutant No
EmS F-E-S-D

IATA - DGR: UN No 1170
Class 3
Packing 307
Packing group 11
Sub risks -

14. REGULATORY INFORMATION

Labelling: The product is classified and labelled in accordance with Directive 1999/45/EC.
This product is classified in accordance with Annex VI to Directive 67/548/EEC.



Symbol(s):

R-phrase(s): R11 – Highly flammable.

S-phrase(s): S2 – Keep out of the reach of children.
S9 – Keep container in a well ventilated place.
S16 – Keep away from sources of ignition – No smoking.

S33 – Take precautionary measures against static discharges.

S43 – In case of fire, use foam.

16. ADDITIONAL INFORMATION

Text of phrases mentioned in

Section 2:

R11 – Highly flammable.

Further information:

The information given is designated only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designates and may not be valid for such material used in combination with any other materials or in any process.