

# MATERIAL SAFETY DATA SHEET

in compliance with the Danish Ministry of Labour dpt.order no. 540/485  
and EU-directives 91/155 and 93/112

Product Name: **UNIRED**  
Prepared on: 13 March 1996  
Revised on: 1 June 2002

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Printed on: 1. June 2002

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## 1. IDENTIFICATION OF THE COMPOUND / MATERIAL AND THE SUPPLIER

Product Name: UNIRED

Application: Liquid ointment for packaging thread joints, used together with flax Packing: 250 ml

Supplier: UNIPAK A/S, Stenbækvej 21, 8220 Brabrand  
Phone +45 86 26 11 77

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical name:</u>	<u>CAS-no.:</u>	<u>%:</u>	<u>Hazard classification:</u>
Ethanol	64-17-5	30-60	F; R11

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## 3. HAZARDS IDENTIFICATION

People: Highly flammable. Organic solvents may be absorbed into the body by inhalation and by ingestion and affect the nervous system.

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## 4. FIRST AID MEASURES

Inhalation: Go outdoors and rest.

Skin Contact: Remove polluted clothes and wash skin thoroughly with water.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if any, and open the eye widely. If irritation continues: get medical attention and bring along this safety data sheet.

Ingestion: Rinse the mouth immediately and drink plenty of e.g. water. Keep the person under surveillance. If discomfort arises, get medical attention and bring along this safety data sheet.

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## 5. FIRE-FIGHTING MEASURES

Extinguishing Agent: Fire-fighting takes place by means of foam, carbon dioxide, powder or water mist.

Special hazards: This product is flammable and may, if heated, liberate health hazardous vapours when mixed with air.  
Packaging exposed to heat must be cooled with water and removed from the scene of fire, if possible.

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## 6. ACCIDENTAL RELEASE MEASURES

Personal safety measures: Avoid smoking and use of open fire.

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Environmental protection measures:

Avoid discharge into drains, earth and water.

Methods of cleaning-up:

Remove any source of ignition. Contain and absorb waste with sand, soil or other non-flammable material. Waste is disposed of in compliance with the waste regulations of the municipality.

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## 7. HANDLING AND STORAGE

Handling:

Observe good chemical hygiene.

Technical precautions:

Avoid smoking and use of open fire.

Technical measures:

Not relevant.

Technical precautions at storage:

Large quantities and stocks must be stored in compliance with the technical regulations of the Civil Defence Agency for storage of flammable liquids. (Class II).

Storage conditions:

Keep in closed original packaging.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Technical measures:

The place of work must be well ventilated. TLVs must be observed and risk of inhalation of vapours minimised.

Chemical name:

TLV:

Annotation:

References:

Ethanol

1900 mg/m<sup>3</sup>

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At (1996)

Personal Protection Devices:

If risk of contact: Use protective gloves of e.g. nitrile rubber and glasses / face shield.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Orange liquid

Odour:

Ethanol

pH:

Not stated

Boiling Point:

Not stated

Melting Point:

Not stated

Flash Point:

36°C for ethanol

Explosive Properties:

Not stated

Vapour Pressure:

Not stated

Relative density:

Not stated

Solubility:

Not stated

Spreading coefficient (n-octanol/water):

Not stated

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## 10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions/materials,  
to be avoided: None.

Hazardous  
decomposition compounds: None.

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## 11. TOXICOLOGICAL INFORMATION

Inhalation: Not relevant at ordinary working temperature. Irritating vapours may arise when heated.

Skin contact: Continuous contact may cause redness and irritation.

Eye contact: Contact may cause irritation.

Ingestion: Is irritating. May be absorbed into the organism and cause dizziness, nausea and vomiting.

Long-term Effect: Continuous ingestion may cause damage to the liver and nervous system.

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## 12. ECOLOGICAL INFORMATION

Mobility: Not stated.

Degradable: Not stated.

Eco-toxicity: Not stated.

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## 13. DISPOSAL CONSIDERATIONS

Waste (remnants): Waste must be disposed of in compliance with the waste regulations of the local authorities. (EAK-code): 08 04 02 00. The product is considered as hazardous waste.  
Chemical waste group: H  
At transport: see point 14.

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## 14. TRANSPORT INFORMATION

UN-no.: 1993                      Proper shipping name: Flammable liquid

Sea (IMDG):                      **Class:** 3.3                      **Page:** 3345                      **PG:** III  
**EmS:** 3.07                      **MGAG:** -

Marine pollutant: -

Land (RID/ADR):                      **Class:** 3                      **Point:** 31                      **Litra:**

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<u>Air (ICAO/IATA):</u>	<b>Class: 3</b>	<b>PG: III</b>
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## 15. REGULATION INFORMATION

Danger Labelling: Flammable.

National Danish regulations:

1)	The Dept. Order no. 801 of 23 Oct. from the Danish Environment Ministry concerning classification, packaging, labelling, sale and storage of chemical compounds and products, which implement the EØF-directives 67/548/EØF concerning hazard compounds and 88/379/EØF concerning hazardous preparations into Danish legislation.
2)	AT-direction No. 3.1.0.2 July 1996: TVL for hazardous compounds and materials.

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## 16. OTHER INFORMATION

The user of the product must be instructed in the performance of the work and know the content of this present safety data sheet.

The following points have been changed: 1, 8, 13 and 15.

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Prepared by:  
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