



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product identifier**
Commercial Product Name
 UULA-MAALINPOISTOAINE
 Substance name: 1-ethyl-2-pyrrolidone
 CAS-No.: 2687-91-4
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Recommended use
 Paint remover
- 1.3 Details of the supplier of the safety data sheet**
Supplier
 Uulatuote Oy
Street address Yttiläntie 265
Postcode and post office 32920 Kauvatsa
 Finland
Telephone +358 10 820 0020
Telefax +358 2-529 5011
Business ID FI02264544
Email uula@uula.fi
- 1.4 Emergency telephone number**
 United Kingdom of Great Britain and Northern Ireland:
 National Poisons Information Service
 + 8 448 920 111, 24 hrs
 Ireland: Dublin
 +353 1 809 2166 (public). 24hrs
 Malta:
 +356 2545 0000/ +356 2545 6504

SECTION 2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
1272/2008 (CLP)
 Eye Dam. 1, H318
67/548/EEC - 1999/45/EC
 Xi; R41
- 2.2 Label elements**
1272/2008 (CLP)
 GHS05
 Signal word **Danger**
Hazard Statements
 H318 Causes serious eye damage.
Precautionary Statements
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.
- 2.3 Other hazards**
 no data available



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2 Mixtures**



Hazardous components		Chemical name of the substance	Concentration Classification	
CAS	EINECS			
2687-91-4	220-250-6	1-ethyl-2-pyrrolidone	10 - 25 %	Xi; R41 Eye Dam. 1, H318
108-32-7	203-572-1	propylene carbonate	2,5 - 10 %	Xi; R36; Eye Irrit. 2, H319

3.3 Other information

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

When symptoms persist or in all cases of doubt seek medical advice.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If unconscious place in recovery position and seek medical advice.

Skin contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. DO NOT use solvents for cleaning.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion

Do NOT induce vomiting. Keep patient warm and at rest. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious damage to eyes.

4.3 Indication of immediate medical attention and special treatment needed

Get medical attention immediately if irritation develops and persists.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons

Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Specific methods

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Mark the contaminated area with signs and prevent access to unauthorized personnel.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and materials for containment and cleaning up



Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal. Flush away traces with water.

6.4 Reference to other sections

See also section 8

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Protect from frost.

7.3 Specific end use(s)

no data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNELs

no data available

PNECs

no data available

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Individual protection measures

Respiratory protection

Ensure adequate ventilation, especially in confined areas. Breathing apparatus needed only when aerosol or mist is formed.

Hand protection

Protective gloves

Eye/face protection

Goggles

Skin protection

Long sleeved clothing

Environmental exposure controls

Discharge into the environment must be avoided. Soak up with inert absorbent material and dispose of as hazardous waste.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important Health Safety and Environmental Information

Appearance greenish-colored paste

Odour mild fragrance

Odour threshold no data available

pH no data available

Melting point/freezing point no data available

Initial boiling point and boiling range 196 - 225 °C

Flash point > 95 °C

Evaporation rate no data available



Flammability (solid, gas)	no data available
Explosive properties	
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	1,123 kg/l
Solubility(ies)	
Water solubility	partly soluble
Fat solubility (solvent - oil to be specified)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidising properties	no data available

9.2 Other information
no data available

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
Stable at normal ambient temperature and pressure.
- 10.2 Chemical stability**
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions**
no data available
- 10.4 Conditions to avoid**
no data available
- 10.5 Incompatible materials**
Strong acids and oxidizing agents.
- 10.6 Hazardous decomposition products**
Burning produces noxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- Acute toxicity**
Harmful if swallowed.
- Irritation and corrosion**
Risk of serious damage to eyes. May irritate skin. May cause irritation of respiratory tract.
- Sensitisation**
Contains no substance or substances classified as sensitising.
- Subacute, subchronic and prolonged toxicity**
no data available
- STOT-single exposure**
no data available
- STOT-repeated exposure**
no data available

**Aspiration hazard**

no data available

Other information on acute toxicity

If swallowed, seek medical advice immediately and show this container or label.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity****Aquatic toxicity**

no data available

Toxicity to other organisms

no data available

12.2 Persistence and degradability**Biodegradation**

no data available

Chemical degradation

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

The product should not be allowed to enter drains, water courses or the soil.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of as hazardous waste in compliance with local and national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**14.1 UN number**

Not classified as dangerous in the meaning of transport regulations.

14.2 UN proper shipping name

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

-

14.6 Special precautions for users

-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available



- 15.2 Chemical safety assessment**
no data available

SECTION 16. OTHER INFORMATION

16.1 Additions, Deletions, Revisions

Version : 1.0

16.2 Key or legend to abbreviations and acronyms

- **REACH** - according to Regulation (EC) No. 1907/2006
- **CLP** - REGULATION (EC) No 1272/2008
- **DSD** - Classification and labelling according to Directive 67/548/EEC.
- **DNEL** - No observed adverse effect level
- **PNEC** - Predicted No Effect Concentration
- **PBT** - persistent, bioaccumulating and toxic.
- **vPvB** - very persistent and very bioaccumulating.

16.3 Key literature references and sources for data

REGULATION (EC) No 1272/2008, Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.2. Material Safety Data Sheet: UULA-MAALINPOISTOAINE Print Date 1.6.2010. Information and analyzes from different raw material manufacturers.

16.4 Classification procedure

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

- | | |
|------|---------------------------------|
| R36 | Irritating to eyes. |
| R41 | Risk of serious damage to eyes. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

16.6 Additional information available from:

Uulatuote Oy