



# MATERIAL SAFETY DATA SHEET

In accordance with Regulation (EC) No. 1907/2006 (REACH) 2.0

## INOKEM UR 3308

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

#### 1.1 Identification of product

**1.1.1 Trade description: INOKEM UR 3308**

#### 1.2 Relevant identified uses of the substance or / mixture and misadvised uses

##### 1.2.1 Recommended use

Binder for paints and lacquers. Exclusively for the production of coatings.

#### 1.3 Information concerning the supplier of safety data sheet

##### 1.3.1 Supplier

ECOAT SAS

1 avenue Louison Bobet

06130GRASSE (France)

Telephone +33 (0) 4 93 40 74 54 - Telefax+33 (0) 9 71 70 58 32 - Email [produit@ecoat.fr](mailto:produit@ecoat.fr)

#### 1.4 Emergency call number

##### 1.4.1 Name, telephone number and addresses

Number ORFILA (INRS): + 33 (0) 1 45 42 59 59

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### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or the mixture

**Product definition:** Mixture

Not classified.

Classification Regulation (EC) No 1272/2008 (CLP/GHS): Not a dangerous mixture in accordance with regulation (EC) No. 1272/2008.

#### 2.2 Elements of labeling

##### Hazard pictograms:

**Signal word:** No signal word.

**Hazard statements:** No known significant effects or critical hazards.

##### Precautionary statements:

**Prevention:** Not applicable.

**Response:** Not applicable.

**Storage:** Not applicable.

**Disposal:** Not applicable.

**Hazardous ingredients which do not result in classification:** Triethylamine

**2.3 Other dangers - Other hazards which do not result in classification:** Air contaminants may be formed during use of the product.

### 3. COMPOSITION/INFORMATION ON THE COMPONENTS

**3.1 Substances/ 3.2 Mixtures:** Mixture PU-alkyd emulsion

Components:

In accordance with Regulation (EC) No. 1907/2006 (REACH), the product contains:

Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]
Triethylamine	REACH #: 01-2119475467-26 EC: 204-469-4 CAS : 121-44-8	1-<2,5	Acute Tox. 3 : H311+H331 Acute Tox. 4 : H302 Eye Dam. 1 : H318 Flam. Liq. 2, H225 Skin Corr. 1A : H314 STOT SE 3, H335 Danger

**Additional information:** For more information of the listed hazard phrases See section 16.

**Remarks:** This product contains a triethylamine-type neutralizing agent present in salt form and is ionically bounded to the carboxylic acid functions of the polyurethane alkyd resin. This amine is considered to be non-reactive at ambient temperature and does not result in any labelling of the final product since the pH of the mixture is less than 11.5 (see point 3.3.3.3.4.2 of CLP Regulation (EC) No 1272/2008). However, it is normal for amine vapours to emerge when this product is treated (heated) during drying/hardening of the coating. Notifications of health effects shall apply to the amine vapours indeed produced and are listed in sections 8 and 11.

## 4. FIRST AID

### 4.1. Description of first aid measures

#### 4.1.1 Contact with the eyes

Rinse immediately with much water, also under the eyelids, during 15 minutes at least. Get medical attention if irritation occurs.

#### 4.1.2 Inhalation

Bring the victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel (give mouth-to-mouth resuscitation). If necessary, call a poison center or physician.

#### 4.1.3 Contact with the skin

Immediately remove any soiled clothing. Wash immediately, abundantly with water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.

#### 4.1.4 Ingestion

Do not induce vomiting to avoid the risk of aspiration into the respiratory track. Wash out mouth with water. Get medical attention if symptoms occur.

## 4.2 Principal symptoms and effects, acute and differed

No further relevant information available

## 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

**Specific treatments:** No specific treatment.

## 5. MEASUREMENTS OF FIRE CONTROL

### 5.1 Means of extinction

#### 5.1.1 Suitable means of extinction

The product is not flammable.

Use dry chemical powder, CO<sub>2</sub> or alcohol-resistant foam. It is not recommended to use water jet.

### 5.2 Particular Hazards resulting from the substance or the mixture

In case of fire, may produce hazardous decomposition products, such as carbon monoxide, carbon dioxide, black smoke, aldehydes, organic acids.

### 5.3 Advice for firemen

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Individual precautions, protection equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. For emergency personnel: If specialized clothing is required to deal with the spillage, take note on information in Section 8.

### 6.2 Precautions for the environmental protection

The product is not considered dangerous for the environment. Prevent the material penetration in the sewers or the rivers. Avoid penetration in the basement. Collect spillage.

### 6.3 Methods and equipment of containment and cleaning

Remove with inert absorbent. Collect in suitable containers for disposal. After cleaning, rinse traces with water.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

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## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling:

No special precautions are necessary if used correctly.

#### Technical measures/Precautions:

Storage and handling away from any source of ignition and heat. Do not smoke. Protect against electrostatic charges.

**Safe handling advice:** Remove all sources of ignition. In case of insufficient ventilation, wear suitable respiratory equipment.

**Hygiene measures:** Take off immediately all contaminated clothing. Avoid contact with the skin and the eyes. Avoid inhalation of vapors. When using do not eat, drink or smoke.

Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2. Conditions for safe storage, including any incompatibilities:

Keep in a dry, cool and well-ventilated place. Store in original container. Keep container tightly closed. Keep away from heat and sources of ignition. Store from the heat (<40°C, 104°F) and from freezing (>5°C, 41°F). Avoid long storage period.

**7.3. Specific end use(s):**No further relevant information available.

## 8. CONTROL INDIVIDUAL EXPOSITION/PROTECTION

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

## 8.1 Parameters of control

### Exposure Limit Values

Product/ingredient name	Type	Environmental Limit Values
Triethylamine CAS :121-44-8 EC : 204-469-4	TLV STEL Year	1ppm-4,2 mg/m <sup>3</sup> – 8hours work shift 3 ppm-12,6 mg/m <sup>3</sup> - 2015

### DNEL (Workers)

Product/ingredient name	Type	Exposure	Value	Population	Effects
Triethylamine CAS :121-44-8 EC : 204-469-4	DNEL	Long term Dermal	12,1 mg/kg bw/Day	Workers	Systemic
	DNEL	Long term Inhalation	8,4 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Oral	- bw/Day	Workers	Systemic
	DNEL	Short term Inhalation	12,6 mg/m <sup>3</sup>	Workers	Systemic

**DNEL (Consumers):** Not relevant

### PNEC:

Product/ingredient name	Description of the environment	Value
Triethylamine CAS :121-44-8 EC : 204-469-4	Aqua fresh water	0,064 mg/l
	Aqua marine	0,0064 mg/l
	Fresh water sediment	0,1992 mg/kg
	Sea water sediment	-
	Soil	2,36 mg/kg
	STP	100 mg/l

## 8.2. Exposure controls:

**Appropriate engineering controls:** Use only with adequate ventilation. Frequently monitor and control the working atmosphere. Provide appropriate exhaust ventilation at machinery. Use explosion-proof ventilation equipment.

### Personal protective equipment:

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment, In the case of hazardous fumes, wear self contained breathing apparatus, CE Cat III, EN 405:2001 +A1:2009

Eye/face protection: Safety glasses with side-shields (DIN EN 166).

Skin and body protection: Protective work clothing.

Hand protection: Specific protective gloves (DIN EN 374-3).

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Important information relating to health, safety and the environment

<b>Physical state at 20°C:</b>	Liquid.
<b>Colour:</b>	Milky to slightly yellow.
<b>Odour:</b>	Amine.
<b>Odour threshold:</b>	Not available.
<b>pH:</b>	6,5-8,5.
<b>Initial boiling point:</b>	approx. 100 °C
<b>Flash point:</b>	>100°C
<b>Flammability (solid, gas):</b>	Do not ignite.
<b>Relative density:</b>	1-1,1 (20°C).
<b>Solubility in water:</b>	Miscible.
<b>Partition coefficient :n-octanol/water :</b>	Not available.
<b>Dynamic viscosity 20°C:</b>	<5000 cP
<b>Explosive properties:</b>	Not available.
<b>Oxidising properties:</b>	Not available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reactions known under the normal conditions of use.

### 10.2 Chemical stability

Stable under the conditions recommended of storage.

### 10.3 Possibility of dangerous reactions

Stable under normal handling and storage conditions.

### 10.4 Conditions to avoid

No specific data.

### 10.5 Incompatible matters

No specific data.

### 10.6 Products of dangerous decomposition

No specific data.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on the toxicological effects

#### Acute toxicity:

Product/ingredient name	Result	Species	Dose	Exposure
Triethylamine CAS :121-44-8 EC : 204-469-4	LC50 Inhalation vapour LD50 Dermal LD50 Oral	Rat Rabbit-male, female Rat	>3 mg/l 580 mg/kg 730 mg/kg	4 hours

**Conclusion/Summary:** Not available.

#### Irritation/Corrosion:

Eyes: Not available.

Skin: Not available.

Respiratory: Not available.

#### Sensitisation:

Skin : Not available.

Respiratory : Not available.

#### Mutagenicity :

Not available.

#### Carcinogenicity :

Not available.

#### Reproductive toxicity :

Not available.

#### Teratogenicity :

Not available.

**Specific target organ toxicity (single exposure) :** Not available.

**Specific target organ toxicity (repeated exposure) :** Not available.

**Aspiration hazard :** Not available.

#### **Potential acute health effects :**

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

#### **Symptoms related to the physical, chemical and toxicological characteristics :**

Skin contact : No specific data

Ingestion : No specific data

Inhalation : No specific data.

Eye contact : No specific data.

#### **Potential chronic health effects :**

Not available.

**General :** No known significant effects or critical hazards.

<b>Carcinogenicity :</b>	No known significant effects or critical hazards.
<b>Mutagenicity :</b>	No known significant effects or critical hazards.
<b>Teratogenicity :</b>	No known significant effects or critical hazards.
<b>Developmental effects :</b>	No known significant effects or critical hazards.
<b>Fertility effects :</b>	No known significant effects or critical hazards.

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

#### 12.2.1 Biodegradation

This product is not regarded as easily biodegradable according to the classification of OECD.

### 12.3 Potential of bio-accumulation

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of evaluations PBT and vPvB

Information not required.

### 12.6 Other harmful effects

None known or foreseeable under the normal conditions of use.

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Methods of waste processing

#### Type of waste Regulation (EU) N°1357/2014

**Methods of disposal :** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### Packaging

**Methods of disposal :** Disposal must be made according to official regulation (EC) N°1907/2006 (REACH).

## 14. INFORMATION RELATING TO TRANSPORT

Not a dangerous product within the meaning of transport regulations (ADR/RID, IMDG, IATA).

**Special precautions for user:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environment regulations/legislation specific to the substance/ mixture

EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorization

None of the components are listed.

**Substances of very high concern:** The substances mentioned in the list "list of substances subject to authorization" published by the ECHA are not intentionally added in the product. Thus, it is not expected that these substances are present at a level of  $\geq 0.1\%$ .

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles. Not applicable

**National regulation:** Medical supervision strengthened : Not applicable

## 16. OTHER INFORMATION

### Procedure used to derive the classification according to Regulation (EC) N°. 1272/2008 (CLP/GHS)

Classification	Justification
Not classified.	

**Full Text of abbreviated H statements:** Not applicable.

**Full text of classifications(CLP/GHS):** Not applicable.

**Alterations compared to the previous version :** Alterations compared to the previous version were made in Section 3 and 11.

**Abbreviations and acronyms:**

- ATE= Acute Toxicity Estimate
- CLP= Classification, Labelling and Packaging Regulation (EC N°. 1272/2008)
- DREL= Derived Minimal Effect Level
- DNEL= Derived No Effect Level
- EUH statement= CLP- specific Hazard Statement
- PBT= Persistent, Bioaccumulative and Toxic
- PNEC= Predicted No Effect Concentration
- RRN= Reach Registration Number
- vPvB= Very Persistent and Very Bioaccumulative

**Sources of key data:** Literature data

**Additional information provided by:**ECOAT SAS Telephone +33 (0) 4 93 40 74 54 -Telefax +33 (0) 9 71 70 5832

#### **History**

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