SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
Trade name: **GELACRYL TI A2**

1.2 Relevant identified uses of the substance or mixture and uses advised against: Waterproofing.

1.3 Details of the supplier of the safety data sheet:
Manufacturer/supplier:
De Neef Construction Chemicals BVBA
Industriepark 8,
2220 Heist-op-den-Berg,
Belgium.
Tel: +32 15 24 93 60
Fax: +32 15 24 80 72
Further information obtainable from: conchem@deneef.com

1.4 Emergency telephone number:
+44 (0)1235 239 670 (Multi-lingual – 24 Hours)
+44 (0)1235 239 671 (Dedicated phone line for Arabic speaking countries - 24 Hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008
Skin Corr. 1C  H314 Causes severe skin burns and eye damage.
Eye Dam. 1  H318 Causes serious eye damage.
Skin Sens. 1  H317 May cause an allergic skin reaction.

2.2 Label elements:
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

\[ GHS05 \quad GHS07 \]

Signal word Danger

**Hazard-determining components of labelling:**
2-dimethylaminoethyl methacrylate
2-hydroxyethyl methacrylate

**Hazard statements**
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

**Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P260 Do not breathe mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

**Hazard description:** Corrosive
2.3 Other hazards:
Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterization: Mixtures:
Description:
Mixture of substances listed below with non-hazardous additions.
For further information, please refer to the product technical data sheet.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 2867-47-2</td>
</tr>
<tr>
<td>EINECS: 220-688-8</td>
</tr>
<tr>
<td>Index number: 607-132-00-3</td>
</tr>
<tr>
<td>2-dimethylaminoethyl methacrylate</td>
</tr>
<tr>
<td>Skin Corr. 1C, H314; Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td>30-50%</td>
</tr>
</tbody>
</table>

| CAS: 868-77-9         |
| EINECS: 212-782-2     |
| Index number: 607-124-00-X |
| 2-hydroxyethyl methacrylate |
| Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 |
| 30-50%                |

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:
General information: Get medical advice/attention if you feel unwell.
After inhalation: No special measures required.
After skin contact: Wash with plenty of soap and water.
After eye contact: Rinse cautiously with water for several minutes.
After swallowing:
Rinse mouth.
Do NOT induce vomiting.
Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed:
Causes burns.
May cause sensitisation by skin contact.

4.3 Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.

5.2 Special hazards arising from the substance or mixture:
No further relevant information available.

5.3 Advice for firefighters:
Protective equipment: Wear self-contained respiratory protective device.
Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:
Use neutralising agent.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:
Risk of serious damage to eyes.
Prevent formation of aerosols.
Do not eat, drink or smoke when using this product.
Store in a well-ventilated place. Keep container tightly closed.
Keep only in original container.
Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:
STORAGE
Information about storage in one common storage facility: No special measures required.
Further information about storage conditions:
Protect from frost.
Store in a dry place.
Keep cool.

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

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: Based on the lists valid at the date of MSDS creation.
8.2 Exposure controls:
PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Filter A.

Protection of hands: Protective gloves.
Material of gloves: Rubber gloves.
Penetration time of glove material:
The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses with side shield protection.

Body protection:
Use personal protective equipment as required.
Take off contaminated clothing and wash before reuse.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>GENERAL INFORMATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Form:</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Colour:</td>
<td>Clear.</td>
</tr>
<tr>
<td>Odour:</td>
<td>Ammonia.</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in conditions:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>182 °C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>101 °C</td>
</tr>
</tbody>
</table>

| Flammability (solid, gaseous): | Not applicable. |
| Ignition temperature:          | 255 °C |

| Decomposition temperature:     | Not determined. |
| Self-igniting:                  | Product is not self-igniting. |
| Danger of explosion:            | Product does not present an explosion hazard. |

<table>
<thead>
<tr>
<th>EXPLOSION LIMITS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower:</td>
<td>1.2 Vol %</td>
</tr>
<tr>
<td>Upper:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>VOC Content:</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

| Vapour pressure: | Not determined. |
| Density at 20 °C: | 1 g/cm³ |
| Relative density: | Not determined. |
| Vapour density:  | Not determined. |
| Evaporation rate:| Not determined. |
Trade name: GELACRYL TI A2

Solubility in/Miscibility with:
- Water: Fully miscible.
- Partition coefficient (n-octanol/water): Not determined.

VISCOSITY
- Dynamic: Not determined.
- Kinematic: Not determined.
- Molecular weight: Not applicable.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical stability:
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

ACUTE TOXICITY
- LD/LC50 values relevant for classification:
  2867-47-2 2-dimethylaminoethyl methacrylate
  | Oral | LD50 2659 mg/kg (rat) (OECD 401) |
  | Dermal | LD50 >2000 mg/kg (rat) (OECD 402) |

- Primary irritant effect:
  - on the skin: Causes severe skin burns and eye damage.
  - on the eye: Causes serious eye damage.
  - Sensitisation: Sensitisation possible through skin contact.

SECTION 12: Ecological information

12.1 Toxicity:
- AQUATIC TOXICITY: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION
- General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.

12.5 Results of PBT and vPvB assessment:
- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.
SECTION 13: Disposal considerations

13.1 Waste treatment methods:
Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGING
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA  UN1760

14.2 UN proper shipping name
ADR, IMDG, IATA  CORROSIVE LIQUID, N.O.S. (2-dimethylaminoethyl methacrylate)

14.3 Transport hazard class(es)
ADR, IMDG, IATA

Class  8 Corrosive substances.
Label  8

14.4 Packing group
ADR, IMDG, IATA  II

14.5 Environmental hazards:
Marine pollutant:  No.

14.6 Special precautions for user:
Warning: Corrosive substances.
Danger code (Kemler):  80
EMS Number:  F-A,S-B

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not Regulated

Transport/Additional information:

ADR
Limited quantities (LQ)  1L
Excepted quantities (EQ)  Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
Transport category  2
Tunnel restriction code  E

IMDG
Limited quantities (LQ)  1L
Excepted quantities (EQ)  Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
Trade name: GELACRYL TI A2

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
See Section 2 for hazard identification.
National regulations:
Other regulations, limitations and prohibitive regulations: All components EINECS listed or exempt.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Department issuing MSDS:
Product Stewardship Department - GRACE, 580-581 Ipswich Road, Slough, Berkshire, SL1 4EQ
Tel: ++44 (0)1753 490 000, Fax: ++44 (0)1753 490 051

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