Material Safety Data Sheet

A1 Diluent

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: A1 Diluent

Supplier: Acrylic One
Nijverheidsweg 15 A
3251 LP Stellendam
++31-187-663006
info@acrylicone.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>NO.</th>
<th>CAS REG No.</th>
<th>Weight (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Acrylic Polymer</td>
<td>Not hazardous</td>
<td></td>
</tr>
<tr>
<td>2. Individual residual monomers</td>
<td>Not required</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>3. Aqua ammonia</td>
<td>1336 – 21 – 6</td>
<td>0.07 Max</td>
</tr>
<tr>
<td>4. Water</td>
<td>7732 – 18 – 5</td>
<td></td>
</tr>
</tbody>
</table>

EEG Risk Classification No.

3. Aqua ammonia: C R: 34 – 37

See SECTION 15, Regulatory information.

This product is a preparation.

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Inhalation, Skin contact and Eye contact.

Inhalation: Inhalation of vapour or mist can cause the following: Headache, nausea, irritation of the nose, throat and lungs.

Skin contact: Prolonged or repeated skin contact can cause the following: Slight skin irritation.

Eye Contact: Direct contact with material can cause the following: Slight irritation.

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4. FIRST AID MEASURES

Inhalation: Move subject to fresh air.

Skin Contact: Wash affected skin areas thoroughly with soap and water consult a physician if irritation persists.

Eye Contact: Flush eyes with a large amount of water for at least 15 minutes. Consult a doctor if irritation persists.

Ingestion: If swallowed, give 2 glasses of water to drink. Consult a doctor. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>Non-combustible</td>
</tr>
<tr>
<td>Auto-ignition Temperatures</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Extinguishing Agents</td>
<td>Use extinguishing media appropriate for surrounding fire</td>
</tr>
</tbody>
</table>

Unusual Hazards: Material can splatter above 100 ºC. Dried product can burn.

Personal Protective Equipment: Wear self-contained breathing apparatus pressure-demand MSHA NIOSH) apparatus or equivalent and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Appropriate protective equipment must be worn. When handling a spill of this material. See SECTION 8, exposure Controls / Personal Protection for recommendations. If exposed to material during clean-up operations, see Section 4, First Aid Measures, for actions to follow.

Procedure: Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

Caution: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

Storage Conditions: Keep from freezing: material may coagulate. Minimum recommended storage temperature for this material is 1 ºC.

Maximum recommended storage temperature for this material is 49 ºC
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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<table>
<thead>
<tr>
<th>NO.</th>
<th>UNITS</th>
<th>ACGIH</th>
<th>MAK (Germany)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>TWA STEL</td>
<td>WERT KAT</td>
</tr>
<tr>
<td>1</td>
<td>ppm</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>a</td>
<td>a</td>
</tr>
<tr>
<td>3</td>
<td>ppm</td>
<td>25 b 35 b</td>
<td>20 b c</td>
</tr>
</tbody>
</table>

a Not required
b As ammonia
c Maximum Limit: Category I

9. PHYSICAL AND CHEMICAL PROPERTIES

- Vapour Pressure: 2266.5 Pa @ 20°C
- Water Boiling Point: 100°C
- Melting Point: 0°C
- Solubility in Water: Dilutable

10. STABILITY AND REACTIVITY

Instability
This material is considered stable. However, avoid temperatures above 177 °C, the onset of polymer decomposition. Thermal decomposition is dependant on time and temperature.

Hazardous Decomposition Products:
Thermal decomposition may yield acrylic monomers.

Hazardous Polymerisation:
Product will not under polymerisation.

Incompatibility:
There are no known materials which are incompatible with this product.

11. TOXICOLOGICAL INFORMATION

No toxicity data is available for this material. The information shown in SECTION 3, Hazards Identification, is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical data values are:

- Oral LD50 – rat: >5000 mg/kg
- Dermal LD50 – rabbit: >5000 mg/kg
- Skin Irritation – rabbit: Practically non-irritating
- Eye Irritation – rabbit: Inconsequential Irritation

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12. ECOLOGICAL INFORMATION

No applicable Data

13. DISPOSAL CONSIDERATIONS

Procedure:
Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush into chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state and Federal regulations.

Waste key for the Product as Delivered (Germany)
573 03 Dispersion or Emulsions of plastic material

14. TRANSPORT INFORMATION

ADR Class Not Regulated for Transport
IMO Class NR
IATA Class NR

15. REGULATORY INFORMATION

EEG
This product satisfies all the requirements of the European inventory of Existing Chemical Substances (EINECS)

EINICS information

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Indication of Danger
This product is not Hazardous according to EEC Directives 67/548/EEC en 33/379/EEC

16. OTHER INFORMATION

Abbreviations
ACGIH American Conference of Governmental Industrial Hygienist
MAK Maximum Workplace Concentration.
TLV Threshold Limit Value
PEL Permissible Exposure Limit
TWA Time Weighted Average
STEL Short-Term Exposure Limit
Bac Butyl acetate

DISCLAIMER OF LIABILITY
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