Material Safety Data Sheet

A1 Sealer

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: A1 Sealer

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.</td>
<td>Acrylic Polymer</td>
<td>Not hazardous</td>
</tr>
<tr>
<td>2.</td>
<td>Individual residual monomers</td>
<td>Not required</td>
</tr>
<tr>
<td>3.</td>
<td>Aqua ammonia</td>
<td>1336 – 21 – 6</td>
</tr>
<tr>
<td>4.</td>
<td>Water</td>
<td>7732 – 18 – 5</td>
</tr>
<tr>
<td>5.</td>
<td>Synthetic, amorphous silica</td>
<td>7631 – 86 – 9</td>
</tr>
</tbody>
</table>

Note: Water contains small quantities of surfactant agent, plasticizing agent and thickener.

EEG Risk Classification No. Classification and Hazard Labelling
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:

5 October 2016
MSDS A1 Sealer
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

Flash Point: Non-combustible
Auto-ignition Temperatures Not applicable
Lower Explosive Limit Not applicable
Upper Explosive Limit Not applicable
Extinguishing Agents Use extinguishing media appropriate for surrounding fire

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 dyking 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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5 October 2016
Sealer

MSDS A1
5. Synthetic, amorphous silica

7631 – 86 – 9

1-2

Note: Water contains small quantities of surfactant agent, plasticizing agent and thickener.

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<thead>
<tr>
<th>NO.</th>
<th>UNITS</th>
<th>ACGIH TWA STEL</th>
<th>MAK (Germany) WERT KAT</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>ppm</td>
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<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>
<tr>
<td>4</td>
<td>ppm</td>
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<td>None</td>
</tr>
<tr>
<td>5</td>
<td>ppm</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

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

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapour Density (Air = 1)

Vapour Pressure: 2266.5 Pa @ 20ºC

Water

Boiling Point: 100ºC

Melting Point: 0ºC

Solubility in Water: Dilutable

Present Volatility: 54.4 - 66.8 % Water

Evaporation Rate (Bac=1): <1 Water

### 10. STABILITY AND REACTIVITY

Instability

This material is considered stable. However, avoid temperatures above 177 ºC, the onset of polymer decomposition. Thermal decomposition is dependent 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

5 October 2016

MSDS A1

Sealer
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
No. CAS REG NO. EINECS
1. Acrylic Polymer Not hazardous 1336 – 21 -6 2158476
2. Individual residual monomers Not required 7732 – 18 -5 2317912
3. Aqua ammonia 1336 – 21 -6 2158476
4. Water 7732 – 18 -5 2317912
5. Synthetic, amorphous silica 7631 – 86 – 9 2315454

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

5 October 2016 MSDS A1
Sealer
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