

## AQUA PIUS SEALANT

## Safety Data Sheet (9/165/EEG)

Date of print: 6/14/2012  
 Date of last alteration: Version: II A I  
 Art.-No., product name: 02493/02165 Impression lacquer

Page: 1/4

**1 Identification of the substance / preparation and of the company / undertaking**

1.1 Identification of the substance or preparation:  
 Commercial Product Name: Impression lacquer

1.2 Company / undertaking identification:  
 Manufacturer / distributor:  
 Street / POB-No.:  
 State / postal code / city:  
 Telephone:

*Aqua Plus*  
*Sealant*

**2 Composition / information on ingredients**

2.1 Chemical characterization (preparation):  
 Description: Polydimethylsiloxane + fillers + acetoxysilane cross-linker in organic solvents.

2.2 Substances presenting a health hazard:	Methyl triacetoxysilane	Toluene	Xylene
Concentration:	1 - 5%	20 - 60%	20 - 60%
CAS-No.:	4253-34-3	108-88-3	1330-20-7
Identification letter:	C	F Xn	Xn
EEC/R:	14-34	11-20	10-20/21-38

**3 Hazards identification**

3.1 Critical hazards to man and environment: Highly flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

**4 First aid measures**

4.1 General information: Take off immediately all contaminated clothing.

4.2 After inhalation: Move immediately to fresh air. Keep the victim laying down and restful. If breathing has stopped, give artificial respiration. Seek immediately medical advice.

4.3 After contact with the skin: Wash immediately with plenty of water and soap; seek medical advice.

4.4 After contact with the eyes: Rinse immediately with plenty of water for at least 20 minutes and seek immediately medical advice.

4.5 After swallowing: Seek medical advice immediately and clearly identify substance. Let drink plenty of water; no milk, no alcohol! Do not induce vomiting. Do not apply epinephrine or its derivatives.

**5 Fire fighting measures**

5.1 Suitable extinguishing media: Water mist, dry powder, foam, carbon dioxide.

5.2 Extinguishing media which must not be used for safety reasons: Water jet.

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: -

5.4 Special protective equipment for fire fighting:  
 Use respiratory protection independent of recirculated air. Accomplish decontamination by means of explosion-proofed equipment.

**6 Accidental release measures**

6.1 Personal precautions: Avoid exposure. Wear suitable protective clothing.

6.2 Environmental precautions: Observe local bye-laws. Keep away from sewage treatment plants, inshore waters and earth.

6.3 Methods for cleaning up: Absorb with liquid binding material (sand, diatomaceous earth) and dispose of according to regulations.

6.4 Further information: Remove sources of ignition.

**Safety Data Sheet (91/155/EEG)**

Date of print: 6/14/2012

Page: 2/4

Date of last alteration:

Version: II A1

Art.-No., product name: **02493/02165 Impression lacquer****7 Handling and storage**

## 7.1 Handling:

Precautions for safe handling:

Avoid contact with eyes, skin and clothing.

Precautions against fire and explosion:

Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Cool endangered containers with water. Forms explosive mixtures with air, also in empty, uncleaned containers.

## 7.2 Storage:

Conditions for storage rooms and vessels:

Store in a cool, dry and well ventilated place. Keep containers always tightly locked.

Advice for storage of incompatible materials:

-

Further information for storage:

Keep at temperature not exceeding 25 °C / 77 °F.  
Keep container dry.**8 Exposure controls / personal protection**

## 8.1 Further information for system design and engineering measures: -

## 8.2 Associate substance with specific control parameters such as limit values:

CAS-no.	Substance	mg/m <sup>3</sup>
108-88-3	Toluene	380
1320-20-7	Xylene	440

## 8.3 Personal protection equipment:

General protection and hygiene measures:

Avoid contact with eyes and skin. Do not breathe vapour.

Respiratory protection:

In case of strong or prolonged exposure, wear suitable respiratory equipment.

Hand protection:

Rubber gloves.

Eye protection:

Protective glasses.

**9 Physical and chemical properties**

## 9.1 Appearance:

Form: liquid

Colour: transparent

Odour: biting

## 9.2 Safety parameters:

Parameter	Value	Method (67 / 548 / EC)
Change in physical state		
Boiling point		
Flash point	6 °C/43 °F	DIN 51356
Inflammability		DIN 51755
Ignition temperature	> 450 °C/842 °F	DIN 51794
Autoflammability		
Oxidizing properties		
Explosive properties		
Explosion limits	lower: approx. 1.3 upper: approx. 7.8 Vol.-%	
Vapour pressure	approx. 30 hPa at 20 °C/68 °F	
Density	approx. 0.91 g/cm <sup>3</sup> at 20 °C/68 °F	DIN 51757
Solubility in water	virtually insoluble	
pH-value	n. a.	
Distribution coefficient octanol / water		
Viscosity	approx. 200 mPa.s at 23 °C/73 °F	Brookfield

## 9.3 Further information:

Thermal decomposition:

**10 Stability and reactivity**

## 10.0 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

**Safety Data Sheet (91/155/EEC)**

Date of print: 6/14/2012  
 Date of last alteration: Version: II A1  
 Art.-No., product name: **02493/02165 Impression lacquer**

Page: 3/4

- 10.1 Conditions to avoid: -
- 10.2 Materials to avoid: Reacts with water to form acetic acid.
- 10.3 Hazardous decomposition products: The following applies for the silicone content of the product: At a temperature of approx. 150 °C a small amount of formaldehyde can be released by oxidative degradation. Under the influence of humidity acetic acid will be formed.

**11 Toxicological information**

- 11.0 General information: In contact with dampness the product separates a small quantity of acetic acid [64-19-7] which irritates skin and mucous membranes. Toluena [108-88-3] and Xylene [1330-20-7] irritate the mucous membranes, slightly irritate the skin, are narcotic and degrease the skin. If the lung tissue is directly affected, inflammation of the lung may occur. Kidney and bone marrow damage were described.
- 11.1 Acute toxicity:
- |   |   |              |
|---|---|--------------|
| Acute oral toxicity (LD <sub>50</sub> ):      | species rat                                 | 4300 mg /kg  |
|   | origin: literature                          |              |
|   | these data refer to the ingredient xylene.  |              |
|   | species rat                                 | 5000 mg / kg |
|   | origin literature                           |              |
|   | these data refer to the ingredient toluene. |              |
| Acute cutaneous toxicity (LD <sub>50</sub> ): | species rabbit                              | 12100 mg/kg  |
|   | origin: literature                          |              |
|   | these data refer to the ingredient xylene.  |              |
- 11.2 Further toxicological information: -

**12 Ecological information**

- 12.1 Information on elimination ( persistence and degradability ): No data known.  
 Further information: -
- 12.2 Behaviour in environmental compartments: No data known.
- 12.3 Ecotoxicological effects:  
 Effects in sewage treatment plants ( bacteria toxicity; respiration-/reproduction inhibition );  
 Do not introduce large amounts into purification plants.
- 12.4 Further ecological information: Do not lead into waste water. Do not introduce into inshore waters.

**13 Disposal considerations**

- 13.1 Material:  
 Recommendation: Dispose of according to regulations by incineration in a special waste incinerator.  
 Observe the local bye-laws.
- German Waste Disposal Legislation Ref.No.: 57306 (LAGA).  
 European Waste Catalogue Ref.No.: 070299 (EWC).
- 13.2 Contaminated packaging:  
 Recommendation: Fully empty containers ( no tear drops, no powder rest, scraped carefully ). Containers may be recycled or re-used. Observe local/national bye-laws.

**14 Transportation information**

- 14.1 Land transportation ADR/RDI and GGVS/GGVE:  
 GGVS/GGVE .....: 3 Item 3 b  
 ADR/RID.....: 3 Item 3 b  
 Transportation emergency card number: 340

**Safety Data Sheet (91/155/EEC)**

Date of print: 6/14/2012

Date of last alteration:

Version: II A1

Page: 4/4

Art.-No., product name: **02493/02165 Impression lacquer**

Warning board - Hazard No.: 33      Substance No. 1866  
 Description of goods .....  
 Nomenclature: ..... Resins in solution in flammable liquids (contains toluene and xylene)  
 Dispatch symbol: ..... \*\* fl: inflammable liquid  
 Express ..... up to 6 l per container

14.2 Inland navigation ADN/ADNR:  
 Further information: .....

14.3 Transportation by sea IMDG/GGVsec:

IMDG/GGVsec-class ..... 3.2 Label 3      UN-No.: 1866      PG: II  
 EmS-No. .... 3 - 05      MFAG: 310  
 Marine pollutant ..... mp  
 Correct technical name: .....  
 Technical name ..... Resins in solution in flammable liquids  
 Proper ship name ..... Resins in solution in flammable liquids (contains toluene and xylene)  
 Further information: .....  
 Dispatch symbol: ..... \*\* fl: inflammable liquid/3  
 Page ..... 3278

14.4 Air transportation ICAO-TI and IATA-DGR transportation by air:

ICAO/IATA-class ..... 3      UN-No.: 1866      PG: II      Page: 148  
 Correct technical name: .....  
 Technical name ..... Resins in solution in flammable liquids  
 Proper ship name ..... Resins in solution in flammable liquids (contains toluene and xylene)  
 Further information: .....  
 Dispatch symbol: ..... \*\* HL: This way up      \*\* fl: inflammable liquid/3  
 Packing regulations: ..... PAC: 305      Max. net.: 5 l  
 ..... CAO: 307      Max. net.: 60 l

Air mail transportation: ..... not permitted

14.5 Transportation / further information: -

**15 Regulatory information**

15.1 Identification according to EEC directives: Identification letters: **F Xn** Hazard indication: highly flammable, harmful  
 Contains: Toluene, xylene.

EEC/R: 11-20/21-38      Highly flammable. Harmful by inhalation and in contact with skin. Irritating to skin.  
 EEC/S: 16-25-29-33      Keep away from sources of ignition - no smoking. Avoid contact with eyes. Do not empty into drains. Take precautionary measures against static discharges.

15.2 National regulations:

Classification of possible adverse effects in the aquatic environment (Wassergefährdungsklasse): WGK 2.

Classification according to VbF: A I

**16 Other information**

n.a. = not applicable      n.s. = not subject to

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations.