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1.1 Product identifier	
Trade name: IMBERAL Aquarol Winter 16D	
 Article number: 50225 B 1.2 Relevant identified uses of the substance or mixture and uses a No further relevant information available. Application of the substance / the mixture Ready-to-use, adhesion-improving special primer for structural water 	
1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: Heinrich Hahne GmbH & Co. KG Heinrich-Hahne-Weg 11 45711 Datteln	Tel.:02363/5663-0
 Further information obtainable from: Abteilung: Produktsicherheit Tel.: 02363 5663-0 EMail: info@hahne-bautenschutz.de 1.4 Emergency telephone number: Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen, Tel.: 0551-19240 	
SECTION 2: Hazards identification	
• 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.	
 Classification according to Directive 67/548/EEC or Directive 199 Information concerning particular hazards for human and enviro Safety data sheet available on request. Classification system: The classification is according to the latest editions of the EU-lists data. 	nment:
 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Void Hazard pictograms Void Signal word Void Hazard statements Void Additional information: Safety data sheet available on request. 2.3 Other hazards The product is alkaline. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. 	

· 3.2 Chemical characterisation: Mixtures

• Description: aqueous solution of potassium silicate and polymers

· Dangerous components:	
CAS: 64-17-5 ethanol	<i>F R11</i> 2.5-10%
EINECS: 200-578-6	🚸 Flam. Liq. 2, H225
CAS: 107-21-1 ethane-1,2-diol	Xn R22 < 2.5%
EINECS: 203-473-3	♦ <i>Acute Tox. 4, H302</i>
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• Additional information: For the wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures

• 4.1 Description of first aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **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: Fighting measures that suit the environment.

- . 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters Use fire fighting measures that suit the environment.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections No dangerous substances are released.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Keep container tightly closed.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Keep cool and dry.
- · Information about storage in one common storage facility: Do not store together with acids.
- Further information about storage conditions: Protect from temperatures below -5 °C.
- · 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.

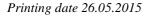
- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol (2.5-10%)

WEL Long-term value: 1920 mg/m³, 1000 ppm

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107-21-1 ethane-1,2-diol (< 2.5%)

WEL Short-term value: 104** mg/m³, 40** ppm Long-term value: 10* 52** mg/m³, 20** ppm Sk *particulate **vapour

· Additional information: The lists valid during the making were used as basis.

· 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:** Wear when spraying respirator.
- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Rubber gloves with cotton inner fabric recommended.

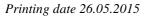
- · Penetration time of glove material
- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed goggles.

9.1 Information on basic phys General Information	ical and chemical properties	
Appearance:		
Form:	Fluid	
Colour:	According to product specification	
Odour:	Characteristic	
pH-value at 20 °C:	11	
Change in condition Melting point/Melting range	• Undetermined	
Boiling point/Boiling range:		
Flash point:	Not applicable.	
Ignition temperature:	425 °C	
Self-igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Density at 20 °C:	1.05 g/cm ³	
Solubility in / Miscibility with		
water:	Fully miscible.	
9.2 Other information	No further relevant information available.	

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SECTION 10: Stability and reactivity

- 10.3 Possibility of hazardous reactions Reacts with acids. Corrodes aluminium.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
- on the skin: no irritation
- · on the eye: light irritation, does not require labeling
- Sensitisation: No sensitising effects known.
- · Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · 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

· European waste catalogue

08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

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14.1 UN-Number	-
14.2 UN proper shipping name	-
14.3 Transport hazard class(es)	-
14.4 Packing group	-
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Anne MARPOL73/78 and the IBC Code	ex II of Not applicable.
· Transport/Additional information:	This preparation is not classified as dangerous according to international transport regulations

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- · National regulations:
- · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 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** H225 Highly flammable liquid and vapour.

H225 Highly flammable liquid and vapour. H302 Harmful if swallowed.

R11 Highly flammable.*R22* Harmful if swallowed.

· Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 4: Acute toxicity, Hazard Category 4