

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

- **1.1 Product identifier**
 - Product code PW710
 - Trade name: **AQUATECH WHITE CONV. 20GL**
- **1.2. Relevant identified uses of the substance or mixture and uses advised against**
 A coating composition for water-based coating and / or decoration of wooden artefacts
 - Application of the substance / the mixture For professional use
- **1.3 Details of the supplier of the safety data sheet**
 - Manufacturer/Supplier:
 IVM Chemicals Srl
 Viale della Stazione 3 -27020 Parona (PV)Italy -Tel +39 038425441
 - Further information obtainable from:
 Environmental Health and safety office
 hseoffice@ivmchemicals.com
- **1.4 Emergency telephone number:**
 From 8.30 to 17.30 0039 038 425 441
 Out of the above mentioned hours, Saturdays and Sundays and during periods of closure for holidays please call: 0039 0384 254491

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.
- **2.2 Label elements**
 - Labelling according to Regulation (EC) No 1272/2008 Void
 - Hazard pictograms Void
 - Signal word Void
 - Hazard statements Void
 - Additional information:
 EUH208 Contains 1,2-benzisothiazol-3(2H)-one, a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1).
 May produce an allergic reaction.
- **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 characterisation: Mixtures**
 - Description: Mixture: consisting of the following components.

· Dangerous components:		
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-XXXX	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2.49%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-XXXX	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	1-<5%

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

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
 - **General information:** No special measures required.
 - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
 - **After skin contact:** Generally the product does not irritate the skin.
 - **After eye contact:** Rinse opened eye for several minutes under running water.
 - **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
 For symptoms and effects caused by substances, see chap. 11th
- **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:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
 Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
 Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.
 - **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** See section 7.
- **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).
 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** No special measures required.
 - **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:**
 Observe the label precautions, the expiration date for the use, if indicated, is from delivery date.
 In cases there is no reported deadline, it means that the product must be used within 8 months.
 Take on temperature greater than 5 °C
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.

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· 7.3 Specific end use(s)

Those typical of the product and the instructions in the data sheet if required.

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:****111-76-2 2-butoxyethanol**

WEL	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 123 mg/m ³ , 25 ppm
	Sk, BMGV

34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 308 mg/m ³ , 50 ppm
	Sk

· DNELs**111-76-2 2-butoxyethanol**

Inhalative	DNEL acuto/agudo/ostre/aigu/acute/akut	663 mg/mc (Workers)
	DNEL	98 mg/mc (Workers)
Irritation of skin	DNEL acuto/agudo/ostre/aigu/acute/akut	89 mg/kg bw/d (Workers)
	DNEL	75 mg/kg bw/d (Workers)

34590-94-8 (2-methoxymethylethoxy)propanol

Inhalative	DNEL	310 mg/mc (Workers)
Irritation of skin	DNEL	65 mg/kg bw/d (Workers)

· PNECs**111-76-2 2-butoxyethanol**

PNEC Acqua dolce/water/woda słodka/eau/agua	8.8 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/Ҷилғар	2.8 mg/kg ()

34590-94-8 (2-methoxymethylethoxy)propanol

PNEC Acqua dolce/water/woda słodka/eau/agua	19 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/Ҷилғар	2.74 mg/kg ()

· Ingredients with biological limit values:**111-76-2 2-butoxyethanol**

BMGV	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

· **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: Not required.**· Protection of hands:**

The glove material has to be impermeable and resistant to the product and in accordance with EN 374 and Directive 89/686/EEC.

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Due to missing tests no recommendation to the glove material can be given for the product.
 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.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:**

Fluid

- **Colour:**

According to product specification

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **pH-value:**

Not determined.

- **Change in condition**

- **Melting point/freezing point:**

Undetermined.

- **Initial boiling point and boiling range:**

100 °C

- **Flash point:**

100 °C

- **Flammability (solid, gas):**

Not applicable.

- **Ignition temperature:**

240 °C

- **Decomposition temperature:**

Not determined.

- **Auto-ignition temperature:**

Product is not selfigniting.

- **Explosive properties:**

Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:**

1.1 Vol %

- **Upper:**

14.0 Vol %

- **Vapour pressure at 20 °C:**

1.2 hPa

- **Density at 20 °C:**

1.28 g/cm³

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

- **Evaporation rate**

Not determined.

- **Solubility in / Miscibility with**

- **water:**

Not miscible or difficult to mix.

- **Partition coefficient: n-octanol/water:**

Not determined.

- **Viscosity:**

- **Dynamic:**

Not determined.

- **Kinematic at 20 °C:**

40 s (ISO 4 mm)

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· **Oxidising properties :** N.A.· **Solvent content:**· **VOC and Total VOC**

(organic solvents + reactive solvents if any) 3.94 %

· **Water:** 47.6 %· **VOC (EC)** 50.4 g/l· **Solids content:** 48.4 %· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** Typical of the product as indicated in the data sheet· **10.2 Chemical stability**

The product is stable in normal conditions of storage and use recommended

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.· **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** Based on available data, the classification criteria are not met.· **LD/LC50 values relevant for classification:**

111-76-2 2-butoxyethanol

Oral LD50 1480 mg/kg (rat/szczur/mouse/souris/Maus/ratón)

Dermal LD50 1100 mg/kg (rab)

34590-94-8 (2-methoxymethylethoxy)propanol

Oral LD50 5135 mg/kg (rat/szczur/mouse/souris/Maus/ratón)

Dermal LD50 19020 mg/kg (rab)

· **Primary irritant effect:**· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.· **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

111-76-2 2-butoxyethanol

EC50 101 mg/l (daphnia) (24 h)

LC50 (96h) 101 mg/l (Fish)

34590-94-8 (2-methoxymethylethoxy)propanol

EC50 970 mg/l (algae) (72 h)

1919 mg/l (daphnia) (48 h)

LC50 (96h) 1001 mg/l (Fish)

· **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

· Recommendation

Hand over to hazardous waste disposers.

The code number of the product as it is: 080112

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number

· ADR, ADN, IMDG, IATA

Not classified

· 14.2 UN proper shipping name

· ADR, ADN, IMDG, IATA

Not classified

· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class

Not classified

· 14.4 Packing group

· ADR, IMDG, IATA

Not classified

· 14.5 Environmental hazards:

· Marine pollutant:

No

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|--|-----------------|
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not classified |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 Directive n. : 80/1107/CEE, n. 82/605/CEE, n. 83/477/CEE, n. 86/188/CEE e n. 88/642/CEE, 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CE, 97/42/CE, 98/24/CE, 99/38/CE, 99/92/CE, 2001/45/CE, 2002/44, 2003/10/CE, 2003/18/CE , 2004/40/CE, 2006/25
 - **Various regulations**
 Dir 2004/42/EC - EU limit value for this product (Cat A / d): 130 g / l
 This product contains a maximum of 129 g / l VOC - trim and cladding paints for interiors / exteriors for wood metal or plastic
- **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**
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
- **Department issuing SDS:** IVM Chemicals Srl
- **Contact:** Carlo Porta
- **Abbreviations and acronyms:**
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 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)
 VOC: Volatile Organic Compounds (USA, EU)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity ñ Category 4
 Skin Irrit. 2: Skin corrosion/irritation ñ Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation ñ Category 2
- **Sources**
 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and following amendments
 Agency ECHA web site

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