

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

- **1.1 Product identifier**
 - Product code HSC6A176
 - Trade name: **CLEAR WB SELF-SEALER 10GLOSS**
- **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 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

2 Hazards identification

- **2.1 Classification of the substance or mixture**
 - Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
 - Information concerning particular hazards for human and environment:
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 - Classification system:
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
 - Labelling according to EU guidelines:
 Observe the general safety regulations when handling chemicals.
 The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
 - Safety phrases:
 S 2 - Keep out of the reach of children
 S 29 - Do not empty into drains
 - Special labelling of certain preparations:
 Safety data sheet available for professional user on request.
 Sensitive to cold
- **2.3 Other hazards**
 - Results of PBT and vPvB assessment
 - PBT: Not applicable.
 - vPvB: Not applicable.

3 Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
 - Description: Mixture: consisting of the following components.

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· <i>Dangerous components:</i>		
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-XXXX	2-butoxyethanol ☒ Xn R20/21/22 ☒ Xi R36/38 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2.49%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol ☒ Xi R36 ⚠ 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	1-2.49%

· *Additional information:* For the wording of the listed risk phrases refer to section 16.

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.

5 Firefighting measures

· 5.1 Extinguishing media

- *Suitable extinguishing agents:*
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 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

- *Protective equipment:* No special measures required.

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).
 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.

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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.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.
- **7.3 Specific end use(s)**
 Those typical of the product and the instructions in the data sheet if required.

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/m³, 50 ppm
 Long-term value: 123 mg/m³, 25 ppm
 Sk, BMGV

112-34-5 2-(2-butoxyethoxy)ethanol

WEL () Short-term value: 101.2 mg/m³, 15 ppm
 Long-term value: 67.5 mg/m³, 10 ppm

34590-94-8 (2-methoxymethylethoxy)propanol

WEL () Long-term value: 308 mg/m³, 50 ppm
 Sk

· DNELs

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	DNEL	1.25 mg/kg bw/d (popolazione) effetti sistemici
Inhalative	DNEL	67.5 mg/mc (Workers) effetti locali e sistemici 34 mg/mc (popolazione) effetti locali e sistemici
	DNEL acuto/agudo/ostre/aigu/acute	101.2 mg/mc (Workers) effetti locali 50.6 mg/mc (popolazione) effetti locali
Irritation of skin	DNEL	20 mg/kg bw/d (Workers) effetti sistemici 10 mg/kg bw/d (popolazione) effetti sistemici

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· PNECs	
111-76-2 2-butoxyethanol	
PNEC Acqua dolce/water/woda słodka/eau/agua	8.8 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/	2.8 mg/kg ()
112-34-5 2-(2-butoxyethoxy)ethanol	
PNEC Acqua dolce/water/woda słodka/eau/agua	1 mg/L ()
PNEC Suolo/earth/suelo/sol/gleba/	0.4 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/	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.

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

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.

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· Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	100 °C
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	225 °C
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	0.9 Vol %
· Upper:	14.0 Vol %
· Vapour pressure at 20 °C:	1.2 hPa
· Density at 20 °C:	1.02 g/cm ³
· 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:	60 s (ISO 6 mm)
· Solvent content:	
· VOC and Total VOC (organic solvents + reactive solvents if any)	4.12 %
· Water:	69.0 %
· VOC (EC)	42.0 g/l
· Solids content:	26.3 %
· 9.2 Other information	No further relevant information available.

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 and stored 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.

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11 Toxicological information

11.1 Information on toxicological effects

· Acute toxicity:

· 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)
Inhalative	LC50	1474 mg/l (Fish) (96 h)

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	2410 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	2764 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)

34590-94-8 (2-methoxymethylethoxy)propanol

Oral	LD50	5135 mg/kg (rat/szczur/mouse/souris/Maus/ratón)
Dermal	LD50	>19000 mg/kg (rab)
Inhalative	LC50	1919 mg/l (daphnia) (48 h)
	LC50/6 h	276 ppm (rat/szczur/mouse/souris/Maus/ratón)

· Primary irritant effect:

· on the skin: No irritant effect.

· on the eye: No irritating effect.

· Sensitization: No sensitizing 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.

12 Ecological information

12.1 Toxicity

· Aquatic toxicity:

111-76-2 2-butoxyethanol

EC50	1550 mg/l (daphnia) (48 h)
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112-34-5 2-(2-butoxyethoxy)ethanol

EC50	101 mg/l (algae) (48 h)
	101 mg/l (daphnia) (48 h)
LC50 (96h)	1300 mg/l (Leuciscus idus melanotus)

· **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.

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- **12.6 Other adverse effects** No further relevant information available.

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.

14 Transport information

- | | |
|---|-----------------------------|
| <ul style="list-style-type: none"> · 14.1 UN-Number <ul style="list-style-type: none"> · ADR, IMDG, IATA · ADN | UN1263
Void |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name <ul style="list-style-type: none"> · ADR · ADN · IMDG, IATA | 1263 PAINT
Void
PAINT |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) <ul style="list-style-type: none"> · ADR, ADN, IMDG, IATA · Class | Void |
| <ul style="list-style-type: none"> · 14.4 Packing group <ul style="list-style-type: none"> · ADR, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: <ul style="list-style-type: none"> · Marine pollutant: | No |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

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 / e): 130 g / l
 This product contains a maximum of 52 g / l VOC - Paint and wood impregnation for interior / exterior trim.
- **National regulations:**
 The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

· **Department issuing MSDS:** IVM Chemicals Srl

· **Contact:** Carlo Porta

· **Sources**

Directive 1999/45/EC and following amendments

Directive 67/548/EEC and following amendments and adjustments

Agency ECHA web site

INRS Fiche Toxicologique

· * **Data compared to the previous version altered.**