

## 1 Identification

- **Product identifier**

- *Product number* PC1102
- *Trade name:* **OAK STRAW WB STAIN**
- *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

- **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
- *Information department:*  
Environmental Health and safety office  
hseoffice@ivmchemicals.com
- *Emergency telephone number:*  
ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**

- *GHS label elements*  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- *Hazard pictograms*



- *Signal word* Warning

- *Hazard-determining components of labeling:*

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) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

- *Hazard statements*

H317 May cause an allergic skin reaction.

- *Precautionary statements*

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P280 Wear protective gloves.
- P321 Specific treatment (see on this label).
- P363 Wash contaminated clothing before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

**Product number PC1102**  
**Trade name: OAK STRAW WB STAIN**

(Contd. of page 1)

**Classification system:**

 · **NFPA ratings (scale 0 - 4)**







 · **HMIS-ratings (scale 0 - 4)**


### 3 Composition/information on ingredients

**Chemical characterization: Mixtures**

 · **Description:** Mixture: consisting of the following components.

 · **Dangerous components:**

111-76-2	2-butoxyethanol  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332;  Skin Irrit. 2, H315; Eye Irrit. 2, H319 H227	1-2.49%
55965-84-9	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) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331  Skin Corr. 1B, H314  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Sens. 1, H317	0.0015-<0.06%

### 4 First-aid measures

**Description of first aid measures**

 · **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

 · **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

 · **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

 · **After eye contact:** Rinse opened eye for several minutes under running water.

 · **After swallowing:** Do not induce vomiting; immediately call for medical help.

 · **Information for doctor:**

 · **Most important symptoms and effects, both acute and delayed**

For symptoms and effects caused by substances, refer to Section 11.

 · **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

USA

(Contd. on page 3)

**Product number PC1102**  
**Trade name: OAK STRAW WB STAIN**

(Contd. of page 2)

## 5 Fire-fighting measures

- **Extinguishing media**
  - *Suitable extinguishing agents: Use fire fighting measures that suit the environment.*
- **Special hazards arising from the substance or mixture**  
*Formation of toxic gases is possible during heating or in case of fire.*
- **Advice for firefighters**
  - **Protective equipment:**  
*Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.*

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** *Not required.*
- **Environmental precautions:**  
*Do not allow product to reach sewage system or any water course.  
 Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to enter sewers/ surface or ground water.*
- **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 Section 13.  
 Ensure adequate ventilation.*
- **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.*

## 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
*Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.*
  - **Information about protection against explosions and fires:** *No special measures required.*
- **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 of goods.  
 In cases where there is no reported expiration date, 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.*
  - **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 systems:** *No further data; see item 7.*

(Contd. on page 4)

USA

**Product number PC1102**  
**Trade name: OAK STRAW WB STAIN**

(Contd. of page 3)

· **Control parameters**

· *Components with limit values that require monitoring at the workplace:*

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

PEL	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm Skin
REL	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm Skin
TLV	Long-term value: 97 mg/m <sup>3</sup> , 20 ppm BEI

· *Ingredients with biological limit values:*

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

BEI	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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· *Additional information: The lists that were valid during the creation were used as basis.*

· **Exposure controls**

· *Personal protective equipment:*

· *General protective and hygienic measures:*

Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.

· *Breathing equipment:*

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· *Protection of hands:*



Protective gloves

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

The glove material has to be impermeable and resistant to the product .

· *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**

· **Information on basic physical and chemical properties**

· *General Information*

· *Appearance:*

· *Form:*

Fluid

· *Color:*

According to product specification

(Contd. on page 5)

## Safety Data Sheet

### 29 CFR Parts 1910 1915 1926

Printing date 10/07/2015

Reviewed on 10/07/2015

**Product number PC1102**  
**Trade name: OAK STRAW WB STAIN**

(Contd. of page 4)

· <b>Odor:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	100 °C (212 °F)
· <b>Flash point:</b>	100 °C (212 °F)
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	240 °C (464 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	1.1 Vol %
· <b>Upper:</b>	10.6 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	1.2 hPa (1 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	1.01 g/cm <sup>3</sup> (8.428 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not determined.
· <b>Kinematic at 20 °C (68 °F):</b>	29 s (ISO 3 mm)
· <b>Solvent content:</b>	
· <b>Water:</b>	70.8 %
· <b>VOC content:</b>	1.0 %
	10.2 g/l / 0.08 lb/gl
· <b>Solids content:</b>	28.2 %
· <b>Other information (HAPS)</b>	
100-42-5 styrene	<0.1%

### 10 Stability and reactivity

- **Reactivity** typical of the product as indicated in the data sheet
- **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.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

(Contd. on page 6)

**Product number PC1102**  
**Trade name: OAK STRAW WB STAIN**

(Contd. of page 5)

· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are 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)

· **Primary irritant effect:**

- *on the skin:* No irritant effect.
- *on the eye:* No irritating effect.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

May cause an allergic skin reaction.  
 Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

111-76-2	2-butoxyethanol	3
100-42-5	styrene	2B

· **NTP (National Toxicology Program)**

100-42-5	styrene	R
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· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

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

EC50 1550 mg/l (daphnia) (48 h)

**55965-84-9 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) a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)**

EC50 0.1 mg/l (daphnia) (48 h)

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

- *Bioaccumulative potential* No further relevant information available.
- *Mobility in soil* No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (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.

(Contd. on page 7)

## Safety Data Sheet

### 29 CFR Parts 1910 1915 1926

Printing date 10/07/2015

Reviewed on 10/07/2015

**Product number PC1102**  
**Trade name: OAK STRAW WB STAIN**

(Contd. of page 6)

· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

Dispose of contents and container in accordance with local state and federal regulations.

· **Uncleaned packagings:**

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

### 14 Transport information

· **UN-Number**

· DOT, ADN, IMDG, IATA

Not applicable

· **UN proper shipping name**

· DOT, ADN, IMDG, IATA

Not applicable

· **Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· Class

Not applicable

· **Packing group**

· DOT, IMDG, IATA

Not applicable

· **Environmental hazards:**

· Marine pollutant:

No

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

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### 15 Regulatory information

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

Requirements of Federal Register

· **SARA**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings) :**

111-76-2 2-butoxyethanol

100-42-5 styrene

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

(Contd. on page 8)

**Product number PC1102**  
**Trade name: OAK STRAW WB STAIN**

(Contd. of page 7)

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

111-76-2	2-butoxyethanol	NL
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· **TLV (Threshold Limit Value established by ACGIH)**

111-76-2	2-butoxyethanol	A3
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100-42-5	styrene	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **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.

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

· **Contact:** See emergency phone

· **Date of preparation / last revision** 01/16/2015 / 19

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

: Flammable liquids, Hazard Category 4

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

· **Sources**

Directive 1999/45/EC and following amendments

Directive 67/548/EEC and following amendments and adjustments

Agency ECHA web site

(Contd. on page 9)





**Safety Data Sheet**  
**29 CFR Parts 1910 1915 1926**

Printing date 10/07/2015

Reviewed on 10/07/2015

**Product number PC1102**  
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*INRS Fiche Toxicologique*  
*IARC International agency for research on cancer*

(Contd. of page 8)

USA