



STUCCO ITALIANO srl

Viale S. Agostino, 346/A- 36100 Vicenza- Italia

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C.F. / P.Iva 03744760242 REA 350312

IBAN IT42N0572811801017570884125 BIC-Swift BPVIT21017

## MATERIAL SAFETY DATA SHEET

### POLYURETHANE FLOORING VARNISH - VERNICE POLIURETANICA ALL 'ACQUA

#### 1. IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCTS	
<i>Trading name</i>	<i>Color</i>
Polyurethane Flooring Varnish / Vernice poliuretanic all'acqua / Water based Varnish for Marmorino Floor	Colourless

Type of product and use:	Universal PU varnish
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PRODUCER	
Producer's data:	STUCCO ITALIANO Viale S. Agostino, 346/A - 36100 Vicenza – Italia Tel. +39 347 2469500 Fax. +39 0445 941047 E-Mail: info@stuccoitaliano.it web: www.stuccoitaliano.it

#### 2. COMPOSITION

Acrylate copolymer in combination with aliphatic polyester polyurethane dispersion.		
Cas NO.	Name.	%
111-76-2	2-butossietanol EINECS: 203-905-0 Xn 20/21/22-36/38	< 1,5
112-34-5	2-(2-butoxyethoxy)ethanol EINECS: 203-961-6 Xi 36	< 1,5
872-50-4	1-methyl-2-pyrrolidone EINECS: 212-828-1 Xi 36/	< 2,5

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

#### 3. IDENTIFICATION OF HAZARDS

Hazard description	Not applicable
Classification system:	The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

#### 4. FIRST-AID MEASURES

General information	Take off or remove contaminated clothing immediately. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Contact with skin	Wash thoroughly with soap and water immediately and rinse well



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Contact with eyes	Rinse immediately with plenty of running water, with eyelids open, for at least 10 minutes. Seek medical advice if necessary.
Swallowing	Drink copious amounts of water and provide fresh air. Call for a doctor immediately.
Inhalation	Seek medical treatment in case of complaints.

#### 5. FIRE-PREVENTION MEASURES

Suitable extinguishing agents:	Product is not combustible.
Protective equipment:	No special measures required.

#### 6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Individual precautions	Protection regulations (see point 7 and 8) to consider
Environmental precautions	Notify to the competent authorities if the product has run into a watercourse or sewage system. Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water. Possible warning the neighbourhood.
Cleaning methods	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Additional information:	No dangerous substances are released.

#### 7. HANDLING AND STORAGE

Handling precautions	Ensure good ventilation/exhaustion at the workplace. Use only in well ventilated areas. Smoking, drinking and eating are not permitted at the working place! Keep out of the reach of children. Do not empty into drains
Information about fire - and explosion protection	No special measures required
Application by spraying	If any persons, regardless whether or not they actually perform spray-painting themselves, are working inside the spraying chamber during varnishing there is the risk that they will be exposed to aerosols and fumes of solvent. Particularly in regard to spraying mist it is rather improbable that the maximum permissible values for dust particles will be constantly met. Under such conditions it is recommended to wear breathing masks (half masks with particle filter of at least filter class P 2 or force-ventilated breathing masks) until aerosol and solvent fumes concentrations will be again under the limit value for exposition.
Storage condition	
Requirements to be met by storerooms and receptacles:	Observe official regulations for the storage of paints and chemicals.
Information about storage in one common storage facility	Store away from foodstuffs
Further information about storage conditions	Store in a cool place, free of frost and dry in well sealed original casks.

#### 8. INDIVIDUAL CONTROL

Additional information about design of technical facilities	No further data; see item 7.
Ingredients with limit values that require monitoring at the workplace:	
CAS No.	Designation of material



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111-76-2 OES Short-term value Long-term value New, Sk, Bmgv, IOELV	2-butoxyethanol  50 ppm 25 ppm
CAS No. 872-50-4 OES Short-term value  Long-term value Sk,	Designation of material 1-methyl-2-pyrrolidone  309 mg/m3 75 ppm 103 mg/m3 25 ppm
Personal protective equipment:	
General protective and hygienic measures:	Immediately remove all soiled and contaminated clothing
Breathing protection	If the solvent concentration is above OEL limits, a breathing mask approved for this purpose must be worn. Filter A/P2.
Protection of hands	Protective gloves made of neoprene / polychloroprene. Degradation effect G to E Instalment of permeation E to ND (< 0.9 µg / cm <sup>2</sup> / min) Protective factor index: special subject class 6 Clean skin thoroughly after work and put on skin protecting cream.
Protection of eyes	Safety glasses
Protection of skin	Protective work clothing

## 9. CHEMICAL/PHISICAL CHARACTERISTICS OF THE PRODUCT

Physical state	Liquid
Colour	Colourless
Odour	Characteristic
pH value	at 20 °C 7,4-7,9
Change in condition	Phase transfer: fluid - solid
Boiling point/Boiling range (approximately)	100°C
Flash point	Non applicable - Non flammable.
Self-igniting	Product is non combustible.
Danger of explosion	Product does not present an explosion hazard
Vapour pressure:	at 20 °C 23,0000 hPa
Density:	1,0250 g/cm <sup>3</sup>
Water solubility	Miscible with water! Fully miscible.
Solvent content Water (approximately): Solids content (approximately)	< 8,00 % 60,00 % 32,00 %

## 10. STABILITY AND REACTIVITY

Thermal decomposition /Condition to be avoided	No decomposition if used and stored according to specifications
Dangerous reactions	No dangerous reactions known.
Dangerous decomposition products:	None.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

• LD/LC50 values relevant for classification:

111-76-2 2-butoxyethanol

Oral, LD50: 1480 mg/kg (rat)

Dermal, LD50: 400 mg/kg (Rabbit)

Inhalative, LC50/4h: 450 mg/l (rat)

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



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Oral, LD50: 5660 mg/kg (rat)  
Dermal, LD50: 2700 mg/kg (Rabbit)  
872-50-4 1-methyl-2-pyrrolidone  
Oral, LD50: 3914 mg/kg (rat)  
Dermal, LD50: 8000 mg/kg (Rabbit)  
Inhalative, LC50/4h: > 5,1 mg/l (rat)

- Primary irritant effect:
  - on the skin:

Frequent and prolonged skin contact can cause irritation and inflammation of the skin.

- on the eye:  
Irritating effect.
- Sensitization:

No sensitizing effects known.

- Additional toxicological information:

According to our experience and the information available, with correct handling and use as instructed, the product does not cause any effects injurious to health.

Butyl glycol and its acetate are skin resorptive and cause harmful effects to the blood.

## 12. ECOLOGICAL INFORMATION

General notes:

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 1 : slightly hazardous for water

## 13. INFORMATION ON DISPOSAL

- Recommendation

The mentioned waste code number according to the European waste code catalogue are regarded as a recommendation. A final determining has to be effected in agreement with the regional place of waste disposal as well as the competent authorities.

- European waste catalogue

08

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01

wastes from MFSU and removal of paint and varnish

08 01 12

waste paint and varnish other than those mentioned in 08 01 11

- Uncleaned packaging:

Disposal of uncleaned packagings according to European waste code number 15 01 10.

- Recommendation:

Packaging can be reused or recycled after cleaning

Disposal according to 15 01 04 (metal).

- Recommended cleansing agents:

Water, if necessary with cleansing agents.

## 14. INFORMATION ON TRASPORT

By road	non-hazardous material, non-flammable non-explosive, not subject to regulation (A.D.R.)
By rail	non-hazardous material, non-flammable non-explosive, not subject to regulation (RID)
By sea	non-hazardous material, non-flammable non-explosive, not subject to regulation No Marine pollutant (IMDG Code)
By air	non-hazardous material, non-flammable non-explosive, not subject to regulation (IATA)
For US Department of Transportation:	Proper shipping name : none Hazard Class : none ID Number : none Packaging Group : none

## 15. INFORMATION ON REGULATIONS

In conformity with the provisions of Leg. Decree 03/65 and Directive 99/45 EC the product is labelled as follows:

Labelling according to EU guidelines	The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).
Code letter and hazard designation of product:	not applicable



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Hazard-determining components of labelling	not applicable	
Risk phrases:	not applicable	
Safety Phrases		
<b>Phrases S</b>	S2 S29 S46	Keep out of the reach of children Do not empty into drains. If swallowed, seek medical advice immediately and show this container or label
Information about limitation of use	Pregnant and breastfed women and young persons.	

## 16. OTHER INFORMATION

Relevant R-phrases

R 20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

R 36/38

Irritating to eyes and skin.

Data supplied in conformity with:

Directive 99/45 EC as amended;

Directive 67/548 EEC as amended and updated;

Directive 91/155 CEE as amended and updated.

The information contained herein is based on our knowledge at the date given below, refers only to the product indicated and does not represent a guarantee of particular qualities.

The user has to make sure of the suitability and completeness of such information in relation with the specific use and always under his responsibility act in accordance with the regulation on health, safety and environmental protection, provided by current laws.

The manufacturer declines all liability for improper use.

This card cancels and replaces all previous editions.

Key Legend Information/:

N/A Not Applicable

ND Not Determined

OSHA Occupational Safety and Health Administration

Vicenza 1 March 2011