

**Document type**                      **Safety Data Sheet**

**1. Product identification**

<b>1.1 Trading Name</b>	<b>PU1C</b>
<b>1.2 Type of product and use</b>	Protective coating
<b>1.3 Producer</b>	<b>Stucco Italiano Srl</b> Via dei Pini 62 – 36016 Thiene (VI) – Italy Tel.: +39 0444 700 991, Email: info@stuccoitaliano.it web: www.stuccoitaliano.com
<b>1.4 Emergency contact num.</b>	Technical information: Stucco Italiano Srl office +39 0444 700 991 (Monday-Friday 8.00–17.00); Mobile phone +39 340 3058872 (Saturday and Sunday)

**2. Identification of hazards**

**2.1 Classification of the substance or mixture**

According to regulation (EC) No 1272/2008 (CLP)

Signal	Hazard class	Hazard category	Hazard statement
Danger	Eye Irrit.	2	H319: Causes serious eye irritation
Warning	Skin Irrit.	2	H315: Causes skin irritation

**2.2 Label Elements**

**Hazard pictograms**



**Signal word**

Warning

**Hazard statements:**

H319: Causes serious eye irritation  
H315: Causes skin irritation  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-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] May produce an allergic reaction.

**Precaution statements**

P280 Wear protective gloves / eye protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**Supplemental Information**

None

**2.3 Other hazards**

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

**Other hazards** No other hazards

### 3. Composition

**3.1 Substances** N.A.

**3.2 Mixtures** Hazardous components within the meaning of the CLP regulation and related classification:

Quantity	Name	Identification number	Classification
>= 5% - < 12.5%	2-butoxyethanol	EC number: 203-905-0 Record number 02-2119764899-11	Acute Tox. 4 - H302, Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319
< 0.05%	1,2-benzisothiazol-3(2H)-one	EC number: 220-120-9 Record number 05-2114263215-55	Eye Dam. 1 - H318; Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1 - H317; Aquatic Acute 1 - H400
< 0.1%	2-methyl-2H-isothiazol-3-one	EC number: 220-239-6 Record number 05-2114483051-57	Skin Corr. 1B - H314; Acute Tox. 3 - H301-EUH071, Acute Tox. 3 - H311, Acute Tox. 2 - H330; Skin Sens. 1 - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410
< 0.0015%	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)	C number: 911-418-6	Skin Corr. 1B - H314; Acute Tox. 3 - H301, Acute Tox. 3 - H311, Acute Tox. 3 - H331; Skin Sens. 1 - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 H410

### 4. First-aid measures

**4.1 First aid measures:**

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. If skin irritation continues, consult a doctor.

**Contact with eyes**

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

**Ingestion**

Drink copious amounts of water and provide fresh air. Call for a doctor immediately.

<b>Inhalation</b>	Seek medical treatment in case of complaints.
<b>4.2 Most important symptoms</b>	No relevant information available
<b>4.3 Medical attention</b>	In case of unwellness, seek medical advice immediately
<b>Treatment</b>	Treat symptomatically

## 5. Firefighting measures

<b>5.1 Extinguishing media</b>	Media which must not be used: None in particular
<b>5.2 Special hazards</b>	Do not inhale explosion and combustion gases
<b>5.3 Advice for firefighters</b>	Use suitable breathing apparatus

## 6. Accidental release measures

<b>6.1 Individual precautions</b>	Wear protective garments, gloves, glasses Wear breathing apparatus if exposed to dusts Provide adequate ventilation Use appropriate respiratory protections See protective measures under point 7 and 8
<b>6.2 Environmental precaution</b>	Do not allow to enter soil / subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand
<b>6.3 Cleaning methods</b>	Collect as much product as possible, possibly absorb the residue with inert material. Wash the area with water. Remove everything in compliance with the relevant regulation.

## 7. Handling and storage

<b>7.1 Handling precautions</b>	Avoid contact with skin and eyes, inhalation of dusts and mists Do not eat or drink during handling Use with adequate ventilation Avoid inhalation of vapours and mists Don't use empty container before they have been cleaned Contaminated clothing should be changed before entering eating areas. 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.
<b>7.2 Incompatible materials</b>	Keep away from food and drink

### Storage conditions

Keep the containers properly closed, in a clean, dry and dark space at a temperature between +5°C and +30°C.

## 8. Individual control

### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

111-76-2 2-butoxyethanol

WEL

Short-term value: 50 ppm

Long-term value 25 ppm

Sk

### DNEL Exposure Limit Values

111-76-2 2-butoxyethanol

A, DNEL/DMEL: 49 mg/m<sup>3</sup> (Consumer, Long Term Exposure) A, DNEL/DMEL: 98 mg/m<sup>3</sup> (Worker, Long Term Exposure)

A, DNEL/DMEL: 123 mg/m<sup>3</sup> (Consumer, Short Term Exposure) A, DNEL/DMEL: 246 mg/m<sup>3</sup> (Worker, Short Term Exposure)

H, DNEL/DMEL: 38 mg/kg (Consumer, Long Term Exposure)

H, DNEL/DMEL: 75 mg/kg (Worker, Long Term Exposure)

H, DNEL/DMEL: 44,5 mg/kg (Consumer, Short Term Exposure) H, DNEL/DMEL: 89 mg/kg (Worker, Short Term Exposure)

Oral, DNEL/DMEL: 3,2 mg/kg (Consumer, Long Term Exposure) Oral, DNEL/DMEL: 13,4 mg/kg (Consumer, Short Term Exposure)

### PNEC Exposure Limit Values

111-76-2 2-butoxyethanol

PNEC: 8,8 mg/l (Fresh water)

PNEC: 0,88 mg/l (Seawater)

PNEC: 463 mg/l (Defecator)

PNEC: 34,6 mg/kg (sediment (Fresh water) PNEC: 3,46 mg/kg (sediment (seawater)

PNEC: 3,13 mg/kg (Bottom)

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)

PNEC: 0,000049 mg/l (Fresh water) PNEC: 0,0000098 mg/l (Seawater) PNEC:

0,000009 mg/l (Bottom) PNEC: 0,000045 mg/l (Defecator)

### 8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Avoid contact with the skin.

Respiratory protection: If the solvent concentration is above WEL limits, a breathing mask approved for this purpose must be worn. Filter A1/P2.

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. Preventive skin protection by use of skin-protecting agents is recommended. Protective gloves made of nitril. Degradation effect G to E. Instalment of permeation E to ND ( $< 0.9 \mu\text{g} / \text{cm}^2 / \text{min}$ ). Protective factor index: special subject class 6. After use of gloves apply skin-cleaning agents and skin cosmetics.

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 cannot be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses

Body protection: Protective work clothing

## 9. Chemical / Physical characteristics

<b>Physical state</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Characteristic
<b>pH value</b>	at 20,00 °C 7,5 - 8,5 (pure)
<b>Melting / freezing point:</b>	N.A.
<b>Boiling point</b>	N.A.
<b>boiling range</b>	N.A.
<b>Water solubility</b>	N.A.
<b>Specific weight</b>	N.A.
<b>Flammability</b>	N.A.
<b>Vapour density</b>	N.A.
<b>Flash point:</b>	N.A.
<b>Vapour pressure</b>	at 20,00 °C 23,0000 hPa
<b>Evaporation rate</b>	N.A.
<b>Relative density</b>	N.A.
<b>Solubility in oil</b>	N.A.
<b>Partition coefficient</b>	N.A.
<b>Auto-ignition temperature</b>	Product is non combustible.
<b>Decomposition temperature</b>	N.A.
<b>Viscosity</b>	N.A.
<b>Explosive properties</b>	Product does not present an explosion hazard.
<b>Oxidising properties</b>	N.A.
<b>9.2 Other information</b>	N.A.
<b>Miscibility</b>	N.A.

<b>Fat Solubility</b>	N.A.
<b>Conductivity</b>	N.A.
<b>Substance groups</b>	N.A.

## 10. Stability and reactivity

<b>10.1 Reactivity</b>	On storage in containers no traffic laws intolerances are to be expected with the tank shell.
<b>10.2 Chemical stability</b>	Stable under normal conditions
<b>10.3 Hazardous reactions</b>	None
<b>10.4 Conditions to avoid</b>	None in particular. Stable in normal conditions.
<b>10.5 Incompatible materials</b>	None in particular.
<b>10.6 Decomposition hazards</b>	None

## 11. Toxicological information

<b>11.1 Toxicological effect</b>	<p>11.1 Information on toxicological effects</p> <ul style="list-style-type: none"> <li>• Acute toxicity</li> <li>• LD/LC50 values relevant for classification:</li> </ul> <p>111-76-2 2-butoxyethanol Oral, LD50: 1746 mg/kg (rat) Dermal, LD50: 1100 mg/kg (Rabbit) Inhalative, LC50/4h: 2-20 mg/l (rat)</p> <p>2634-33-5 1,2-benzisothiazol-3(2H)-one Oral, LD50: 1193 mg/kg (rat)</p> <p>2682-20-4 2-methyl-2H-isothiazol-3-one Oral, LD50: 120 mg/kg (rat) Dermal, LD50: 242 mg/kg (rat) Inhalative, LC50/4h: 0,34 mg/l (rat)</p> <p>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) Oral, LD50: 66 mg/kg (rat) Dermal, LD50: 141 mg/kg (Rabbit)</p> <p>Primaryirritanteffect: Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking. Irritant to skin and mucous membranes. Serious eye damage/irritation Irritating effect. Respiratoryorskinsensitisation Sensitisation possible through skin contact. Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3: 1). May produce an allergic reaction.</p> <p>Additional toxicological information: The breathing in of solvent proportions above the value of M. W. C.-value can lead to health damages, such as irritating mucous membranes and respiratory organs, kidney</p>
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and liver damages as well as to the impairment of the central nervous system. Signs and symptoms: Headache, dizziness and tiredness, myasthenia, numbing effect and also unconsciousness in exceptional cases. Longer and repeated skin contact can lead to drying out the skin or to skin irritations, respectively. Solvent splashes can lead to eye irritations and reversible damages. In such cases a physician should be consulted at once.

2-butoxyethanol and its acetate are skin resorptive and cause harmful effects to the blood.

The product shows the following dangers based on the calculation method of the General EU Classification Guidelines for Substances and Mixtures according to the CLP Regulation in the latest version:

Eye Irrit. 2 - H319 Causes serious eye irritation.

Skin Irrit. 2 - H315 Causes skin irritation.

CMReffects(carcinogenity,mutagenicityandtoxicityforreproduction)

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.

## 12. Ecological information

### 12.1 Toxicity

- 12.1 Toxicity

- Aquatic toxicity:

111-76-2 2-butoxyethanol

Dermal, L(E)C50: 1474 mg/l (fish) Dermal, L(E)C50: 1840 mg/l (alga) Dermal, L(E)C50: 1550 mg/l (daphnie) Dermal, NOEC: >100 mg/l (fish) Dermal, NOEC: 100 mg/l (daphnie)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Dermal, L(E)C50: 2,15 mg/l (fish) Dermal, L(E)C50: 0,155 mg/l (alga) Dermal, L(E)C50: 2,9 mg/l (daphnie) Dermal, NOEC: 1,3 mg/l (fish) Dermal, NOEC: 0,084 mg/l (alga)

2682-20-4 2-methyl-2H-isothiazol-3-one

Dermal, L(E)C50: 5,45 mg/l (fish)

Dermal, L(E)C50: 0,0695 mg/l (daphnie)

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)

Dermal, L(E)C50: 0,188 mg/l (fish) Dermal, L(E)C50: 0,027 mg/l (alga) Dermal, L(E)C50: 0,126 mg/l (daphnie) Dermal, NOEC: 0,098 mg/l (fish) Dermal, NOEC: 0,0012 mg/l (alga) Dermal, NOEC: 0,004 mg/l (daphnie)

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:

Do not allow product 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.

## 13. Information on disposal

### Waste treatment methods

#### 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.

Waste disposal key:

08 01 12 / waste paint and varnish other than those mentioned in 08 01 11

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:



Disposal according to 15 01 04 (metal). EAK-Nummer 15 01 02 / plastic  
Packaging can be reused or recycled after cleaning.

Recommended cleansing agents:

Water, if necessary with cleansing agents.

## 14. Information on transport

<b>14.1 UN number</b>	The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.
<b>By road</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (A.D.R.)
<b>By rail</b>	non-hazardous material, non-flammable non-explosive, not subject to regulation (RID)
<b>By sea</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (IMDG Code)
<b>By air</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (IATA)
<b>For US Department of Transportation:</b>	Proper shipping name: none Hazard Class: none ID Number: none Packaging Group: none PROTECT AGAINST FROST

## 15. Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<p>Labelling according to EU guidelines:</p> <p>The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.</p> <p>REGULATION (EC) No 1907/2006 ANNEX XVII</p> <p>Conditions of restriction: 3</p> <p>National regulations:</p> <p>Information about limitation of use:</p> <p>Pregnant and breastfeeding women and young persons.</p>
	<p>15.2 Chemical safety assessment:</p> <p>For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16:</p> <p>2-butoxyethanol</p> <p>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)</p> <p>The compliance with the application conditions and measures for risk minimisation contained in this material safety data sheet ensures the conformity with the existing exposure scenarios.</p>

## 16. Other information

<b>RELEVANT PHRASES</b>	<p>EUH071 Corrosive to the respiratory tract.</p> <p>H301 Toxic if swallowed.</p> <p>H302 Harmful if swallowed.</p> <p>H311 Toxic in contact with skin.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H330 Fatal if inhaled.</p> <p>H331 Toxic if inhaled.</p> <p>H332 Harmful if inhaled.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>
<b>ADR</b>	European Agreement concerning International Carriage of Dangerous Goods by Road
<b>ATE</b>	Acute Toxicity Estimate
<b>ATEMix</b>	Acute toxicity Estimate (Mixtures)
<b>CAS</b>	Chemical Abstracts Service (division of the American Chemical Society).
<b>CLP</b>	Classification, Labeling, Packaging.
<b>DNEL</b>	Derived No Effect Level.
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances.
<b>GefStoffVO</b>	Ordinance on Hazardous Substances, Germany.
<b>GHS</b>	Globally Harmonized System of Classification and Labeling of Chemicals.
<b>IATA</b>	International Air Transport Association.
<b>IATA-DGR</b>	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
<b>ICAO</b>	International Civil Aviation Organization.
<b>ICAO-TI</b>	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
<b>IMDG</b>	International Maritime Code for Dangerous Goods.
<b>INCI</b>	International Nomenclature of Cosmetic Ingredients.
<b>KSt</b>	Explosion coefficient.
<b>LC50</b>	Lethal concentration, for 50 percent of test population.
<b>LD50</b>	Lethal dose, for 50 percent of test population

<b>PNEC</b>	Predicted No Effect Concentration.
<b>RID</b>	Regulation Concerning the International Transport of Dangerous Goods by Rail.
<b>STEL</b>	Short Term Exposure limit.
<b>STOT</b>	Specific Target Organ Toxicity.
<b>TLV</b>	Threshold Limiting Value.
<b>TWA</b>	Time-weighted average
<b>WGK</b>	German Water Hazard Class.

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 SDS cancels and replaces any preceding release.