

## Safety Data Sheet

# SILANCOLOR TONACHINO PLUS

Safety Data Sheet dated 28/1/2010, version 1

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: SILANCOLOR TONACHINO PLUS

Product type and use: Wall coating paste

Supplier:

MAPEI S.p.A. - Via Cafiero 22 - Milan - ITALY

Emergency telephone number of the company and/or of an authorised advisory centre:

MAPEI S.p.A. - Tel. +(39)02376731

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029

Competent person responsible for the safety data sheet:

sicurezza@mapei.it

### 2. HAZARDS IDENTIFICATION

R Phrases:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The product is a water based preparation in which there are no dangerous components .

The below mentioned crystalline silica, that originally is in the shape of inhalable powder with specific exposure limits, after its mixture into the preparation doesn't involve any exposure risk.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

15% - 20% free crystalline silica ( $\varnothing > 10 \mu$ )

CAS: 14808-60-7 EC: 238-878-4

substance with a Community workplace exposure limit

0.25% - 0.5% Baseoil - unspecified

N. EEC/67/548: 649-474-00-6 CAS: 64742-65-0 EC: 265-169-7

R45

0.1% - 0.25% Pyrithione zinc

CAS: 13463-41-7 EC: 236-671-3

Xn,Xi,N; R37/38-22-41-50

(\*) NP (see Par.16)

### 4. FIRST AID MEASURES

Contact with skin:

Wash with plenty of water and soap.

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Contact with eyes:

Wash immediately with water for at least 10 minutes.

Swallowing:

Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.

A suspension of activated charcoal in water, or petroleum jelly may be administered.

Inhalation:

Ventilate the premises.

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#### 5. FIRE-FIGHTING MEASURES

The product does not present a fire hazard

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.

Avoid inhaling the fumes.

Protective equipment:

Use protection for the airways.

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#### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

None in particular

Use gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

Cleaning methods:

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for disposal. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

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#### 7. HANDLING AND STORAGE

Handling precautions:

Avoid contact with skin and eyes.

Incompatible materials:

None in particular.

Storage conditions:

Store above 5°C.

Instructions as regards storage premises:

Adequately ventilated premises.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Respiratory protection:

Not needed for normal use.

Protection for hands:

Not needed for normal use.

Eye protection:

Not needed for normal use.

Protection for skin:

No special precaution must be adopted for normal use.

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

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Exposure limit value of single components:  
free crystalline silica ( $\text{Ø} > 10 \mu$ )  
TLV TWA:: 0,05 mg/m<sup>3</sup> (respirable fraction)

Carry out the control of the concentrations of the substances with exposure limits assigned, in the working place according to local dispositions

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	paste
Colour:	various
Odour:	typical
pH:	8-9
Melting point:	N.A.
Boiling point:	N.A.
Flash point:	N.A.
Solid/gas flammability:	N.A.
Explosion limits(by volume):	N.A.
Oxidizing properties:	N.A.
Vapour pressure:	N.A.
Relative density:	1,65-1,95 g/cm <sup>3</sup> (23°C)
Solubility in water:	partly soluble
Lipid solubility:	N.A.
Viscosity:	60.000-80.000 mPa.s (23°C)
Vapour density (air=1):	N.A.

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## 10. STABILITY AND REACTIVITY

Conditions to avoid:  
Stable under normal conditions.

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## 11. TOXICOLOGICAL INFORMATION

Route(s) of entry:

Ingestion:	Yes
Inhalation:	No
Contact:	No

Toxicological information related to the product:

No toxicological data are available at the moment on the product itself.

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

The product does not contain toxicologically relevant substances.

Corrosive/Irritating Properties:

Eye:

The product can cause a temporary irritation by contact.

Sensitizing Properties:

No effects are known.

Carcinogenic Effects:

No effects are known.

Mutagenic Effects:

No effects are known.

Teratogenic Effects:

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No effects are known.

#### 12. ECOLOGICAL INFORMATION

Biodegradability: no data available on the preparation.

Adopt good industrial practices, so that the product is not released into the environment.

List of environmentally dangerous substances contained in this preparation and their classification:

990 mg/kg Zinc oxide

N. EEC/67/548: 030-013-00-7 CAS: 1314-13-2 EC: 215-222-5

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC50 (Daphnia): 0.17 mg/l (48 hr)

LC50 (Algae): 0.14 mg/l (72 hr)

LC50 (Fish): 0.14 mg/l (96 hr)

52 mg/kg 2-octyl-2H-isothiazol-3-one

N. EEC/67/548: 613-112-00-5 CAS: 26530-20-1 EC: 247-761-7

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC50 (Daphnia): 0.1 mg/l (48 hr)

LC50 (Algae): 0.084 mg/l (72 hr)

LC50 (Fish): 0.03 mg/l (96 hr)

0.1% - 0.25% zinco piritione

CAS: 13463-41-7 EC: 236-671-3

R50 Very toxic to aquatic organisms.

EC50 (Daphnia): 0.05 mg/l (48 hr)

LC50 (Algae): 0.067 mg/l (72 hr)

LC50 (Fish): 0.06 mg/l (96 hr)

49 mg/kg terbutryn

CAS: 886-50-0 EC: 212-950-5

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC50 (Daphnia): 7.1 mg/l (48 hr)

LC50 (Fish): 1.8 mg/l (96 hr)

LC50 (Algae): 0.005 mg/l (72 hr)

#### 13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

This material and its container must be disposed of as hazardous waste.

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Disposal of hardened product (EC waste code) : 08 01 12

Disposal of not hardened product (EC waste code) : 08 01 16

The suggested European waste code is just based on the composition of the product.

According to the specific process or application field a different waste code may be necessary.

#### 14. TRANSPORT INFORMATION

UN Number:

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Rail/Road(RID/ADR):

no dangerous good

Sea (IMO/IMDG):

no dangerous good

MAR/POL 73/78,Annex III:

No

Air (ICAO/IATA):

no dangerous good

#### 15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling

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of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

R Phrases:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S60 This material and its container must be disposed of as hazardous waste.

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#### 16. OTHER INFORMATION

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances

Istituto Superiore di Sanità - Inventario Nazionale Sostanze Chimiche

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

ACGIH - Threshold Limit Values - 2004 edition

SAX'S - Dangerous properties of industrial materials

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Text of R phrases referred to under heading 3:

R22 Harmful if swallowed.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R45 May cause cancer.

R50 Very toxic to aquatic organisms.

NP: The substance is not classified "carcinogenic" because it contains less than 0,1% by weight of benzene.