

Safety Data Sheet

MAIBIANCO

WATER-BASED PAINT

Safety Data Sheet of 21/08/2023 revision 1



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

1.1. Product identifier

Mixture identification:

Trade name: MAIBIANCO

Commercial Code:

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Coatings and paints, thinners, paint strippers

Water-based paint

Pigmented aqueous dispersion

Consumer uses

Not recommended: N.A.

1.3. Information on the supplier of the safety data sheet

Supplier: DANA SRL - VIALE DI PORTA VERCELLINA, 9 - 20123

MILAN

E-mail: danapaintsrl@gmail.com

1.4. Emergency telephone number

CAV "Osp.Ped.Bambino Gesù" Emergency Dept. of Rome ...

0668593726 University Hospital of Foggia800183459 -

Niguarda Ca' Granda Hospital in Milan0266101029 -

"A. Cardarelli" Hospital of Naples 0817472870 -

CAV Policlinico "Umberto I" of Rome.....0649978000 -

CAV Policlinico "A. Gemelli" of Rome.....063054343 -

Osp Company." Careggi" Toxicological Unit of Florence....0557947819 -

CAV National Centre for Toxicological Information. of Pavia 038224444 -

Papa Giovanni XXIII Hospital in Bergamo. 800883300 -

Integrated Hospital of Verona.800011858 -

SECTION 2: Hazard Identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 (CLP)

The product is not considered hazardous in accordance with EC Regulation 1272/2008 (CLP).

DECL10 This product containing titanium dioxide is not classified as carcinogenic by inhalation because it does not meet the criteria set out in Note 10, Annex VI of Regulation (EC) 1272/2008

Note 10: The classification as carcinogenic by inhalation applies only to mixtures in the form of powders containing ≥ 1 % titanium dioxide in the form of, or incorporated into, particles with an aerodynamic diameter $\leq 10 \mu\text{m}$.

Physicochemical effects harmful to human health and the environment: No other hazards

2.2. Label elements

The product is not considered hazardous in accordance with EC Regulation 1272/2008 (CLP).

Special provisions:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one

(3:1). It can cause an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

PBT and vPvB assessment results
According to the criteria of the REACH ordinance,
no substances such as PBT,
vPvB. Endocrine-Disrupting Properties-
Toxicity
The substance/mixture does not contain
components considered to have endocrine
disrupting properties within the meaning of Article
57(f) of REACH or Commission Delegated Regulation
(EU) 2017/2100 or Commission Regulation (EU)
2018/605 at levels of 0.1% or higher.
Endocrine-Disruptive Properties-Ecotoxicity
The substance/mixture does not contain
components considered to have endocrine
disrupting properties within the meaning of Article
57(f) of REACH or Commission Delegated Regulation
(EU) 2017/2100 or Commission Regulation (EU)
2018/605 at levels of 0.1% or higher.

Other hazards: No other hazards

SECTION 3: Composition/Ingredient Information

3.1. Substances

N.A.

3.2.

Mixtures

Mixture identification: MAIBIANCO WATER-BASED
PAINT

Hazardous components under CLP and their classification:

Quantity	Name	Number of	Classification Identification Number Registration
≥30 - ≤40 %	titanium dioxide	CAS:13463-67-7 EC:236-675-5 Index:022-006-00-2	01-2119489379-17
≥2.5 - ≤3 %	talc (Mg3H2(SiO3)4)	CAS:14807-96-6 EC:238-877-9	Substance with a limit of workplace exposure set at Union level.
< 0.1 %	1,2-benzisothiazol-3(2H)-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411, M- Acute:1 Specific concentration limits: C ≥ 0.05%: Skin Sens. 1 H317
< 0.1 %	reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2- methyl-2H-isothiazol-3-one (3:1)	CAS:55965-84-9 Index:613-167-00-5	Acute Tox. 3, H301 Acute Tox. 2, H330 Acute Tox. 2, H310 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410, M-Chronic:100, M- Acute:100, EUH071

Specific concentration limits: $C \geq 0.6\%$: Skin Corr. 1C H314
 $0.06\% \leq C < 0.6\%$: Skin Irrit. 2 H315
 $0.06\% \leq C < 0.6\%$: Eye Irrit. 2 H319
 $C \geq 0.0015\%$: Skin Sens. 1A H317
 $C \geq 0.6\%$: Eye Dam. 1 H318

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash thoroughly with soap and water.

In case of contact with eyes:

Wash immediately with water.

If swallowed:

Do not induce vomiting, seek medical attention by showing this SDS and hazard labeling.

In case of inhalation:

Take the victim to fresh air and keep him warm and resting.

4.2. Main symptoms and effects, both acute and delayed

N.A.

4.3. Indication of whether medical attention and special treatment are required immediately

N.A.

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing

means:

Water.

Carbon dioxide (CO₂).

Extinguishing means that must not be used for safety reasons: None in particular.

5.2. Special hazards from the substance or mixture Do not

inhale gases produced by explosion and combustion.

Combustion produces heavy smoke.

5.3. Advice for Firefighters

Employ appropriate respiratory equipment.

Collect contaminated water used to extinguish the fire separately. Do not drain it into the sewer system. If safe feasible, remove undamaged containers from the area of immediate danger.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective equipment. Move people to a safe place.

Refer to the protective measures set out in points 7 and 8.

6.2. Environmental Precautions

Prevent penetration into the soil/subsoil. Prevent runoff into surface water or the sewer system. Retain contaminated wash water and discard it.

In the event of a gas leak or penetration into waterways, soil or sewage systems, inform the responsible authorities.

Material suitable for collection: absorbent material, organic, sand

6.3. Methods and materials for containment and remediation

Material suitable for collection: absorbent material, organic material, sand

Wash with plenty of water.

6.4. Reference to other sections

See also sections 8 and 13

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapors and mists. Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible subjects:

None in particular.

Indication for the premises:

Adequately ventilated rooms.

7.3. Special end uses

Recommendations

No special use

SECTION 8: Exposure/Personal Protective Controls

8.1. Control parameters

List of components contained in the formula with an OEL value

	Type	Country	Occupational exposure limits
Titanium Dioxide CAS: 13463-67-7	SUVA	SWITZERLAN D	Long-term 3 mg/m3 Inert dust, general occupational exposure limit value; Dusts which, at present, are classified as inert
	ACGIH		Long-term 0.2 mg/m3 Nanoscale particles; R ; A3 - LRT irr, pneumoconiosis
	ACGIH		Long-term 2.5 mg/m3 Finescale particles; R ; A3 - LRT irr, pneumoconiosis
talc (Mg3H2(SiO3)4) CAS: 14807-96-6	ACGIH		Long-term 2 mg/m3 Containing no asbestos fibers\$ E,R, A4 - Pulm fibrosis, pulm func
	EU		Long term 0.1 mg/m3 2004/37/EC
	SUVA	SWITZERLAN D	Long-term 2 mg/m3 If the occupational exposure limit value is complied with, injuries to the foetus are unlikely.
	EU		Carcinogens or mutagens
5-chloro- reaction mass 2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	EU		Respirable dust
	SUVA	SWITZERLAN D	Long-term 0.2 mg/m3; Short Term 0.4 mg/m3 If the occupational exposure limit value is complied with, injuries to the foetus are unlikely.
	EU		

PNEC values

Titanium Dioxide
CAS: 13463-67-7

Route of exposure: Fresh water; PNEC limit: 1 mg/l

Route of exposure: Freshwater sediments; PNEC limit: 1000 mg/kg

Route of exposure: Seawater; PNEC limit: 0.127 mg/l

Route of exposure: Seawater sediments; PNEC limit: 100 mg/kg

Route of exposure: soil; PNEC limit: 100 mg/kg

Derived level with no effect. (DNEL)

Titanium Dioxide
CAS: 13463-67-7

Route of exposure: Human inhalation; Exposure Frequency: Local Effects Occupational Worker: 10 mg/m3

Route of exposure: Oral Human; Exposure Rate: Specific Effects Consumer: 700 ppm

8.2. Exposure Controls

Eye Protection:
Not required for normal use. However, operate according to good working practices.

Skin protection:
No special precautions are required for normal use.

Hand protection:
Not required for normal use.

Respiratory protection:
N.A.

Thermal risks:
N.A.

Environmental Exposure Controls: N.O.

Technical and Hygiene Measures
N.A.

SECTION 9: Physical and Chemical Properties

9.1. Information on fundamental physical and chemical properties

Physical state:
Liquid White color
Odor: N.A.
pH: Not Relevant
Kinematic viscosity: > 20.5 mm²/sec (40 °C)
Melting/freezing point: N.A.
Initial Boiling Point and Boiling Range: N.O. Flash Point: > 93°C
Upper/lower limit of flammability or explosion: N.O. Density of vapours: N.A.
Vapour pressure: N.A. Relative density: 1.44 g/cm³ Water solubility: N.A.
Oil solubility: N.A.
Partition coefficient (n-octanol/water): N.A.. Autoignition temperature: N.A.
Decomposition Temperature: N.O.
Flammability: N.A.
Kinematic viscosity: > 20.5 mm²/sec (40 °C)
Viscosity: 65.00 s - Method: ISO/DIN 2431 84 - Cross-section: 6.00 mm

Particle characteristics:

Particle size: N.A.

9.2. Other information

Evaporation Rate: N.A.
Miscibility: N.A.
Conductivity: N.A..
No other relevant information

SECTION 10: Stability and Reactivity

10.1. Responsiveness

Stable under normal conditions

10.2. Chemical Stability

Data not available.

10.3. Possibility of dangerous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on hazard classes defined in Regulation (EC) No 1272/2008

Toxicological information concerning the product:

a) Acute toxicity	Unclassified
	On the basis of the available data, the classification criteria are not met.
b) Skin corrosion/irritation	Unclassified
	On the basis of the available data, the classification criteria are not met.
c) serious eye injury/severe eye irritation	Unclassified
	On the basis of the available data, the classification criteria are not met.
d) respiratory or skin sensitization	Unclassified
	On the basis of the available data, the classification criteria are not met.
e) Germ cell mutagenicity	Unclassified

	On the basis of the available data, the classification criteria are not met.
f) carcinogenicity	Unclassified
	On the basis of the available data, the classification criteria are not met.
g) Reproductive toxicity	Unclassified
	On the basis of the available data, the classification criteria are not met.
h) Specific Target Organ Toxicity (STOT) – Single Exposure	Unclassified
	On the basis of the available data, the classification criteria are not met.
i) Specific Target Organ Toxicity (STOT) – repeated exposure	Unclassified
	On the basis of the available data, the classification criteria are not met.
j) danger in the event of aspiration	Unclassified
	On the basis of the available data, the classification criteria are not met.

The toxicological information regarding the main substances present in the mixture is as follows:

titanium dioxide	a) Acute toxicity	LD50 Oral Rat > 5000 mg/kg LD50 Dermal Rabbit > 5000
mg/kg talc (Mg3H2(SiO3)4)	a) Acute toxicity	LD50 Oral > 5000 mg/kg b.w.

11.2. Information on other hazards

Endocrine disrupting properties:

The substance/mixture does not contain components considered to have endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1. Toxicity

Use according to good working practices, avoiding dispersing the product into the environment.
Eco-toxicological information:

List of Eco-Toxicological Properties of the product

Not classified for environmental hazards No data available for the product.

List of Eco-Toxicological Properties of the Components

Component	Identification Number	Eco-toxicological information
titanium dioxide	CAS: 13463-67-7 - EINECS: 236-675-5 - INDEX: 022-006-00-2	a) Acute aquatic toxicity : LC50 Fish > 100 mg/L 96h
1,2-benzisothiazol-3(2H)-one	CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6	a) Acute aquatic toxicity: EC50 Dafnie > 100 mg/L 48h a) Acute aquatic toxicity : LC50 Fish Oncorhynchus mykiss (rainbow trout) = 1.6 mg/L 96 H a) Acute aquatic toxicity : EC50 Invertebrates Daphnia magna (Water flea) = 4.8 mg/L 48 H e) Toxicity to plants : EC50 Algae Selenastrum capricornutum (green algae) = 0.11 mg/L 72 H

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulation potential

N.A.

12.4. Mobility in soil

N.A.

12.5. PBT and vPvB assessment results

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

12.6. Endocrine-disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

N.A.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Recover or recycle where possible. Operate in accordance with applicable local and national regulations.

SECTION 14: Transportation Information

14.1. UN number or ID number

N/A

14.2. Official UN Transport Designation

ADR-Shipping Name: N/A
IATA-Technical Name: N/A
IMDG-Technical Name: N/A

14.3. Transport hazard classes

ADR-Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

14.4. Packing group

ADR-Packaging Group: N/A IATA-
Packaging Group: N/A IMDG-
Packaging Group: N/A

14.5. Hazards to the environment

Toxic Components Quantity: 0.00
Quantity of Highly Toxic Components: 0.00
Marine pollutant: No
Environmental pollutant:
No IMDG-EMS: N/A

14.6. Special precautions for users

Road & Rail (ADR-RID) :

ADR-Label: N/A
ADR - Hazard identification number: N/A ADR-
Special provisions: N/A
ADR-Transport category (Tunnel restriction code): N/A

Air (IATA) :

IATA - Passenger Aircraft:
N/A IATA - Cargo Aircraft:
N/A IATA - Label: N/A
IATA-Secondary Hazard: N/A
IATA-Erg: N/A
IATA-Special Provisions: N/A

Sea (IMDG) :

IMDG-Storage code: N/A
IMDG-Stowage note: N/A
IMDG-Secondary danger: N/A

14.7. Bulk shipping in accordance with IMO acts

N.A.

SECTION 15: Regulatory Information

15.1. Health, safety and environmental laws and regulations specific to the substance or mixture

Legislative Decree No. 81 of 9 April 2008

Ministerial Decree of 26 February 2004 (Occupational Exposure Limits)

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No. 790/2009 (1st ATP to CLP)

Regulation (EU) No. 286/2011 (2nd ATP to CLP)

Regulation (EU) No. 618/2012 (3rd ATP to CLP)

Regulation (EU) No. 487/2013 (4th ATP to CLP)

Regulation (EU) No. 944/2013 (5th ATP to CLP)

Regulation (EU) No. 605/2014 (6th ATP to CLP)

Regulation (EU) 2016/918 (8th ATP to CLP)

Regulation (EU) 2016/1179 (9th ATP to CLP)

Regulation (EU) 2017/776 (10th ATP to CLP)

Regulation (EU) 2018/669 (11th ATP to CLP)

Regulation (EU) 2019/521 (12th ATP to CLP)

Regulation (EU) 2018/1480 (13th ATP to CLP)

Regulation (EU) 2020/217 (14th ATP to CLP)

Regulation (EU) 2020/1182 (15th ATP to CLP)

Regulation (EU) 2021/643 (16th ATP to CLP)

Regulation (EU) 2021/849 (17th ATP to CLP)

Regulation (EU) 2020/878

Restrictions relating to the product or contained substances according to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended:

Product restrictions: None

Restrictions relating to contained substances: Entry 75

Provisions relating to EU Directive 2012/18 (Seveso III):

None

Regulation (EU) No 649/2012 (PIC Regulation)

No substances listed

Water hazard class (Germany).

3: Highly contaminating of water; 3: Highly contaminating of water

SVHC substances:

No data available

Directive 2010/75/EC (VOC Directive)

Volatile Organic Compounds - VOC = 0.01 %

Volatile Organic Compounds - VOC = 0.10 g/L

Estimated Total Content of Water 36.92 %

Estimated Total Solid Content 63.08 %

Storage Class (TRGS 510)

Storage Class (TRGS 510) Combustible liquids unless LGK 3

Classification in accordance with VbF

Classification according to VbF A III - Flash point > 55 °C up to 100 °C, not mixable with water at 15 °C

Mal-Code (Denmark)

Mal-Code (Denmark)	Mal Factor	Unit of Measure	Revision Status / Number	Regulatory Base
0 - 6	59	M3 AIR/10 G	1993	Administrative determined MAL-Factors

Biocidal products

REGULATION (EC) NO 528/2012

Substance

C(M)IT/MIT (3:1)

Article Treatise

Preservatives for canned products

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture

SECTION 16: Other Information

This Safety Data Sheet has been prepared by a competent person who has received appropriate training in the preparation of Safety Data Sheets.

Main bibliographic sources:

- ECDIN – Environmental Chemicals Data and Information Network – Joint Research Centre, Commission of the European Communities
- SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, Eighth Edition, Van Nostrand Reinhold

The information contained herein is based on our current knowledge as of the date of publication and relates solely to the product identified above. It is intended to describe the product from the point of view of health, safety and environmental requirements and should not be construed as guaranteeing any specific property of the product.

It is the responsibility of the user to determine the suitability and completeness of this information for their particular use.

This Safety Data Sheet supersedes and replaces all previous editions.

Key to abbreviations and acronyms used in this Safety Data Sheet:

- ACGIH – American Conference of Governmental Industrial Hygienists
- ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ATE – Acute Toxicity Estimate
- ATEmix – Acute Toxicity Estimate (Mixture)
- BCF – Bioconcentration Factor
- BEI – Biological Exposure Index
- BOD – Biochemical Oxygen Demand
- CAS – Chemical Abstracts Service
- CAV – Poison Control Centre
- EC – European Community
- CLP – Classification, Labelling and Packaging Regulation
- CMR – Carcinogenic, Mutagenic or Reproductive Toxicant
- COD – Chemical Oxygen Demand
- VOC – Volatile Organic Compound
- CSA – Chemical Safety Assessment
- CSR – Chemical Safety Report
- DMEL – Derived Minimum Effect Level

DNEL – Derived No Effect Level
DPD – Dangerous Preparations Directive
DSD – Dangerous Substances Directive
EC50 – Median Effective Concentration
ECHA – European Chemicals Agency
EINECS – European Inventory of Existing Commercial Chemical Substances
ES – Exposure Scenario
GefStoffVO – German Ordinance on Hazardous Substances
GHS – Globally Harmonized System of Classification and Labelling of Chemicals
IARC – International Agency for Research on Cancer
IATA – International Air Transport Association
IATA-DGR – Dangerous Goods Regulations of the International Air Transport Association
IC50 – Median Inhibitory Concentration
ICAO – International Civil Aviation Organization
ICAO-TI – Technical Instructions of the International Civil Aviation Organization
IMDG – International Maritime Dangerous Goods Code
INCI – International Nomenclature of Cosmetic Ingredients
IRCCS – Scientific Institute for Research, Hospitalization and Healthcare
KSt – Explosion Constant
LC50 – Lethal Concentration, 50%
LD50 – Lethal Dose, 50%
LDLo – Lowest Published Lethal Dose
N.A. – Not Applicable
N/A – Not Available / Not Applicable
N.D. – Not Determined
NIOSH – National Institute for Occupational Safety and Health
NOAEL – No Observed Adverse Effect Level
OSHA – Occupational Safety and Health Administration
PBT – Persistent, Bioaccumulative and Toxic
PNEC – Predicted No Effect Concentration
RID – Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL – Short-Term Exposure Limit
STOT – Specific Target Organ Toxicity
TLV – Threshold Limit Value
TWA-TLV – Time Weighted Average Threshold Limit Value
vPvB – Very Persistent and Very Bioaccumulative
WGK – Water Hazard Class (Germany)