

Colorificio A. & B. Casati SpA**685101 - MICROPOROUS**Revision n.5
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IT

Information sheet**SECTION 1. Identification of the substance / mixture and of the company / undertaking****1.1. Product identifier**Code: **685101**
Name: **MICROPOROUS****1.2. Relevant identified uses of the substance or mixture and uses advised against**Description / Use: **Water-based paint for interiors.****1.3. Information on the supplier of the safety data sheet**Business name: **Colorificio A. & B. Casati SpA Via**
Address: **Valpantena 59 / B - Poiano**
Location and State: **37142 VERONA (VR)**
ITALY
tel. **045 550 244**
fax **045 550 414**e-mail of the competent person
responsible for the safety data sheet: **tintotec@casati.it****1.4. Emergency telephone number**For urgent information contact: **045550244****SECTION 2. Hazards identification.****2.1. Substance or mixture classification.**

The product is not classified as dangerous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Hazard classification and indications: --

2.2. Label elements.

Hazard pictograms: --

Warnings: --

Hazard statements: --

Precautionary advice: --

2.3. Other dangers.

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

SECTION 3. Composition / information on ingredients.**3.1. Substances.**

Not relevant information.

3.2. Blends.

The product does not contain substances classified as dangerous for health or for the environment pursuant to the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adjustments) in quantities that require a declaration.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 30/60 minutes, opening the eyelids well. Consult a physician immediately.

SKIN: Take off contaminated clothing. Take a shower immediately. Consult a physician immediately.

INGESTION: Give as much water to drink as possible. Consult a physician immediately. Do not induce vomiting unless expressly authorized by your doctor.

INHALATION: Call a doctor immediately. Take the person out into the fresh air, away from the scene of the accident. If breathing stops, give artificial respiration. Take adequate precautions for the rescuer.

4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects due to the substances contained, see chap. 11.

4.3. Indication of any immediate medical attention and special treatment needed. Information not available.

SECTION 5. Firefighting measures.

5.1. Fire fighting. SUITABLE

EXTINGUISHING MEDIA

Extinguishing media are: carbon dioxide, foam, chemical powder. For product leaks and spills that have not caught fire, water spray can be used to disperse flammable vapors and protect those involved in stopping the leak.

UNSUITABLE EXTINGUISHING MEDIA

Do not use water jets. Water is not effective to extinguish the fire however it can be used to cool closed containers exposed to the flame, preventing bursts and explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Overpressure can be created in containers exposed to fire with danger of explosion. Avoid breathing combustion products.

5.3. Recommendations for firefighters. GENERAL INFORMATION

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures. Stop the leak if there is no danger.

Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for the workers and for emergency interventions.

6.2. Environmental precautions.

Prevent the product from entering sewers, surface water, groundwater.

6.3. Methods and materials for containment and cleaning up.

Suck up the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide sufficient ventilation of the place affected by the leak. Check for any incompatibilities for the container material in section 7. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections.

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.**7.1. Precautions for Safe Handling.**

Keep away from heat, sparks and open flames, do not smoke or use matches or lighters. Without adequate ventilation, vapors can accumulate on the ground and catch fire even at a distance, if triggered, with the risk of backfire. Avoid the accumulation of electrostatic charges. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid the dispersion of the product in the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Keep only in the original container. Store in a cool and well-ventilated place, away from heat sources, open flames, sparks and other sources of ignition. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end uses.

Information not available.

SECTION 8. Exposure controls / personal protection.**8.1. Control parameters.**

Information not available.

8.2. Exposure controls.

Observe the usual safety measures when handling chemicals. HAND PROTECTION

Unnecessary.

SKIN PROTECTION

Unnecessary.

EYE PROTECTION

Unnecessary.

RESPIRATORY PROTECTION

In case of exceeding the threshold value (eg TLV-TWA) of the substance or of one or more of the substances present in the product, it is recommended to wear a mask with a type B filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided.

The use of respiratory protection means is necessary if the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited.

In the event that the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open-circuit compressed air breathing apparatus (ref. Standard EN 137) or a self-contained breathing apparatus. outdoor air (ref. EN 138 standard). For the correct choice of the respiratory protection device, refer to the EN 529 standard.

ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties.**9.1. Information on basic physical and chemical properties.**

Physical state	liquid
Color	White
Odor	characteristic
Odor threshold.	Unavailable.
pH.	Unavailable.
Melting or freezing point. Initial	Unavailable.
boiling point.	Unavailable.
Boiling range. Flash	Unavailable.
point. Evaporation rate	> 60 ° C.
	Unavailable.
Flammability of solids and	Unavailable.
gases Lower flammability limit.	Unavailable.
Upper flammability limit. Lower	Unavailable.
explosive limit. Upper explosive	Unavailable.
limit. Vapor pressure.	Unavailable.
	Unavailable.
Vapor density	Unavailable.

685101 - MICROPOROUS**SECTION 9. Physical and chemical properties.... / >>**

Relative density.	1,650 Kg / l	
Solubility	Miscible with water	
Partition coefficient: n-octanol / water: Auto-	Unavailable.	
ignition temperature.	Unavailable.	
Decomposition temperature.	Unavailable.	
Viscosity	Unavailable.	
Explosive properties	Unavailable.	
Oxidizing properties	Unavailable.	
9.2. Other information. VOC		
(Directive 2004/42 / EC): VOC	0.04% - 0.73	g / liter.
(volatile carbon):	Unavailable.	

SECTION 10. Stability and reactivity.**10.1. Reactivity.**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

In normal conditions of use and storage no dangerous reactions are foreseeable.

10.4. Conditions to avoid.

None in particular. However, follow the usual precautions towards chemicals.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

There are no known episodes of damage to health due to exposure to the product. In any case, it is recommended to operate in compliance with the rules of good industrial hygiene.

11.1. Information on toxicological effects.

Information not available.

SECTION 12. Ecological information.

Use according to good working practices, avoiding to disperse the product in the environment. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation.

12.1. Toxicity.

Information not available.

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulation potential.

Information not available.

12.4. Mobility in soil.

Information not available.

12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6. Other adverse effects.

Information not available.

685101 - MICROPOROUS**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse if possible. The residues of the product as such are to be considered special non-hazardous waste.

Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transport information.**14.1. UN number.**

Not applicable.

14.2. UN proper shipping name.

Not applicable.

14.3. Transport hazard classes.

Not applicable.

14.4. Packing group.

Not applicable.

14.5. Dangers for the environment.

Not applicable.

14.6. Special precautions for users.

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code.

Not relevant information.

SECTION 15. Regulatory information.**15.1. Standards and legislation on health, safety and environment specific for the substance or mixture.**

Seveso category. None.

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006.
None.

Substances in the Candidate List (Art. 59 REACH).

None.

Substances subject to authorization (Annex XIV REACH).

None.

Substances subject to export notification obligation Reg. (EC) 649/2012:

None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Sanitary checks.

Information not available.

VOC (Directive 2004/42 / EC):

685101 - MICROPOROUS**SECTION 15. Regulatory information.**

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Opaque paints for interior walls and ceilings. VOC
expressed in g / liter of ready-to-use product:

Maximum limit:	30.00 (2010)
VOC of the product:	0.61
- Diluted with:	20.00% WATER

15.2. Chemical safety assessment.

A chemical safety assessment has not been developed for the mixture and the substances it contains.

SECTION 16. Other information.**LEGEND:**

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration which must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)
 2. Regulation (EU) 1272/2008 of the European Parliament (CLP)
 3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - NI Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - ECHA Agency website

685101 - MICROPOROUS**SECTION 16. Other information.... / >>**

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, the user is obliged to observe the laws and regulations in force on hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemical products.

Changes from the previous revision. Changes have been made to the following sections: 02/08/09/14.