

Safety data sheet (SDS) in accordance with Reg. 1907/2006/CE - 453/2010/CE

COLLANTE PT ed. 2.0 (ENG)_ 16/03/2011

1 Identification of the mixture and the company

1.1 Product identifier

COLLANTE PT

1.2 Relevant identified uses of the mixture and uses advised against

Adhesive for gypsum blocks

1.3 Details of the supplier of the data sheet

GESSI ROCCA STRADA srl

Loc. Tamburino snc I - 58036 Roccastrada (GR)

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Responsible person: Ing. Piergiorgio Sordi

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1.4 Emergency telephone number

+39 (0) 564 564511 (available only during office hours)

2 Hazards identification

2.1 Classification of the substance on ingredients

According to Directive 1999/45/EC: not classified as dangerous

According to CLP-Regulation (EC) 1272/2008: not classified as dangerous

2.2 Label elements

According to Directive 1999/45/EC: not labelled as dangerous

According to CLP-Regulation (EC) 1272/2008: not labelled as dangerous

2.3 Other hazards

Dust – In high concentration may irritate respiratory system.

Skin – May cause dryness of skin when exposed for long time

3 Composition / information on ingredient

Ingredient	formula	CAS-Nr.	EC- Nr.	concentration
Calcium sulphate emihydrate	CaSO ₄ •0,5H ₂ O	10034-76-1	231-900-3	>90% w/w

REACH registration number: 01-2119444918-26-0198

No classification according to regulation 67/548/EC and CLP- Directive (EU) 1278/2008

4 First aid measures

4.1 Description of first measures

General information

The product is not classified as dangerous. In case of skin irritation contact a dermatologist.

After eye contact

Wash eye with clean water. Seek medical advice if irritation persists.

After skin contact

Wash off immediately with soap and water

After inhalation

Remove person to fresh air. Ensure supply of fresh air

After ingestion

Drink plenty of water and seek medical advice

4.2 Most important symptoms and effects, both acute and delayed

No specific symptoms or effects have been reported

4.3 Identification of any immediate medical attention and special treatment needed

Not applicable, Bring this document if you contact a doctor.

5 **Firefighting measures**

5.1 **Extinguishing media**

Non combustibile. Use extinguishing media appropriate for surrounding fire

5.2 **Special hazards arising from the mixture**

The products are fire resistant, but packaging may burn.

5.3 **Advice for fire fighters**

Product hardens in contact with water

6 **Accidental release measures**

6.1 **Personal precaution, protective equipment and emergency procedures**

Avoid contact with eyes and skin. Use protective goggles and gloves. See Sections 7 and 8.

6.2 **Environmental precautions**

Keep out of drains, sewers, ditches and waterways. Minimise use of water to prevent contamination.

6.3 **Methods and material for contained and clearing up**

Scoop up material and place in a disposal container.

Take up spilled product in dry condition. Product hardens in contact with water.

6.4 **Reference to other sections**

Protective measures in section 8. Disposal measures in section 13.

7 **Handling and storage**

7.1 **Precautions for a safe handling**

Avoid contact with skin and eyes. Minimise and control dust when mixing products in confined spaces

7.2 **Condition for safe storage, including any compatibilities**

Store in a covered, dry, climate controlled area. Keep container closed. Keep out of children.

7.3 **Specific end use**

Adhesive for gypsum blocks – see section 1.2.

8 **Exposure controls / personal protection**

8.1 **Control parameters**

Total inhalable for CaSO_4 -TWA: $5\text{mg}/\text{m}^3$

8.2 **Exposure controls / personal protection**

General protective and hygiene measures

Do not eat or drink during work. Avoid contact with eyes and skin. Minimise and control dust.

Respiratory protection

If dust cannot be controlled wear a half face mask conforming to EN 140

Skin protection

Wear gloves to avoid prolonged or repeat contact

Eye protection

Wear safety goggles conforming to EN 166

9 **Physical and chemical properties**

9.1 **Information on basic physical and chemical properties**

<i>Appearance</i>	Powder
<i>Colour</i>	White
<i>Odour</i>	Odourless
<i>Decomposition temperature</i>	$\text{CaSO}_4 + \text{H}_2\text{O}$ about 140°C $\text{CaO} + \text{SO}_3$ about 1000°C
<i>Bulk density</i>	$0,7 \div 1,3 \text{ gr}/\text{cm}^3$ (at 20°C)
<i>Solubility in water</i>	circa $1,5 \text{ gr}/\text{litro}$ (at 20°C)
<i>PH Value</i>	$6 \div 8$ (at 20°C)
<i>Lower Flammability Limit</i>	Not applicable
<i>Upper Flammability Limit</i>	Not applicable

9.2 **Other information**

None

10 **Stability and reactivity**

10.1 **Reactivity**

Products harden with water. No materials to avoid known.

10.2 **Chemical stability**

Keep dry. Stable under normal storage conditions.

10.3 **Possibility of hazardous reactions**

Mixing with an aqueous solution of sodium carbonate will result in the formation of carbon dioxide.

10.4 **Conditions to avoid**

Stable if stored in dry conditions.

10.5 **Incompatible materials**

None identified.

10.6 **Hazardous decomposition products**

Decomposition takes place from temperatures above 1000 °C in calcium oxide and sulfur dioxide.

11 **Toxicological information**

11.1 **Information on toxicological effects**

No toxicological test has been completed on the product itself

LD/LD50 Calcium Sulphate, main component

Acute oral toxicity: LD50 oral rat > 1581 mg/kg - according to guideline OECD 420

Acute inhalative toxicity: LD50 oral rat > 2,61 mg/L - according to guideline OECD 403

Skin irritation: No irritation for rabbit - according to guideline OECD 404

Sensitization

No effect anticipated. Not hazardous by OSHA criteria.

12 **Ecological information**

12.1 **Toxicity**

No data available

12.2 **Persistence and degradability**

No data available

12.3 **Bioaccumulative potential**

No data available

12.4 **Mobility in soil**

No data available

12.5 **Results of PBT and vPvB assessment**

No data available

12.6 **Other adverse effects**

Keep out of drains, sewers, ditches and waterways.

13 **Disposal considerations**

13.1 **Waste treatment methods**

Keep out of drains, sewers, ditches and waterways. Wastes from gypsum are normally classified as not hazardous. Do not co-dispose with municipal waste, but dispose at an authorized site in accordance with local Environmental Regulations. In EC use European Waste Code 17 08 02.

Not contaminated packaging can be recycled.

14 **Transport information**

Not classified as dangerous in terms of transport regulations (IMDG, ADR, RID, IACO/IATA)

14.1 **NU number**

Not to apply

14.2 **NU proper shipping name**

Not to apply

14.3 **Transport hazard class**

Not to apply

14.4 **Packing group**

Not to apply

14.5 **Environmental hazard**

Not to apply

14.6 **Special precaution for users**

Not to apply

14.7 **Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code**

Not to apply

15 Regulation information

15.1 Safety, health and environment regulations/legation specific for the mixture

This Safety Data Sheet complies with Regulation (EC) 1907/2006 – (REACH)

National Regulations:

Italy *Decreto Legislativo n. 81/2008*

Users must observe the measures of their own workplace health and safety risk assessment. Regarding personal protection devices, see Section 8.

15.2 Chemical safety assessment

No safety assessment has been accomplished on the product itself.

16 Other information

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This product is manufactured under a quality system certified as conforming with ISO 9001 and complies with EN 12680: *Gypsum based adhesives for gypsum blocks - Definitions, requirements and test methods*

This SdS is a translation of the Italian version and refers to the legal requirements in Italy

16.1 List of modify

This Safety data Sheet has been modified to comply with:

- Regulation (EC) nr. 1907/2006 (REACH)
- Regulation (EC) nr. 1272/2008 (CLP)

16.2 Abbreviations and Acronyms

TWA:	Time Weighted Average
LD50:	Median Lethal Dose
OECD:	Organisation for Economic Cooperation and Development
PBT:	Persistent, Bioaccumulative, Toxic chemical
vPvB:	very Persistent, very Bioaccumulative chemical
IMDG:	International Maritime Dangerous Goods
ADR:	Agreement on the transport of Dangerous goods by Road
RID:	Regulations on the International transport of Dangerous goods by Rail
IATA:	International Air Transport Association