

Material Safety Data Sheet

1. Identification of substance or mixture and of society/company

1.1. Identifier of the product

Denomination **MARMORINO VENEZIA - BETON**

1.2. Pertinent uses identified of the substance or mixture and uses advised

Description/Use **Lime based decorative plaster**

1.3. Information on furnisher of material safety data sheet

Business name **IMPEX COLOR S.R.L.**
Address **Via Pareto, 19**
Town & Country **31030 Dosson di Casier (TV) - Italy**
Tel. **+39.0422.331850**
Fax **+39.0422.639622**
e-mail of person responsible for safety data: **impex@impexcolor.com**

1.4 Emergency telephone number

For information in case of emergency please call **+39.0422.331850**

2. Identification of hazards.

2.1. Classification of substance or mixture

The product is classified as dangerous in conformity with the provisions as according to the EEC directive 67/548 and the EC directive 1999/45 and/or of the EC Regulation 1272/2008 (CLP) (and any subsequent modifications and adjustments). The product therefore must have a safety data sheet that conforms to the provisions of the EC Regulation 1907/2006 and any subsequent modifications.
Any additional information regarding risks for health and/or the environment is shown in sections 11 and 12 of the present sheet.

Hazard symbol: Xi

R phrases: 38-41

The whole text of the Risk phrases (R) and of the indications of hazard (H) is shown in section 16 of the present sheet.

2.2. Elements of the label.

Labelling of hazard in conformity with EEC 67/548 directive and EC 1999/45 directive and subsequent modifications and adjustments.

Xi



IRRITANT

- R38** IRRITATING FOR THE SKIN.
R41 RISK OF SERIOUS DAMAGE TO THE EYES.
S 2 KEEP OUT OF REACH OF CHILDREN.
S25 AVOID CONTACT WITH THE EYES.
S26 IN CASE OF CONTACT WITH THE EYES, WASH IMMEDIATELY WITH PLENTY OF WATER AND CONSULT A DOCTOR.
S37/39 USE SUITABLE PROTECTIVE GLOVES AND PROTECT EYES AND FACE.
S46 IN CASE OF INGESTION CONSULT A DOCTOR IMMEDIATELY AND SHOW THE CONTAINER OR THE LABEL

Contains: HYDRATED LIME

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2.3. Other hazards.

Information not available.

3. Composition/information about ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008 (CLP).
HYDRATED LIME CAS. 1305-62-0 CE. 215-137-3 INDEX. -	10 – 12,5	C R34	Skin Corr. 1B H314

T+ = Very toxic (T+), T = Toxic (T), Xn = Harmful (Xn), C = Corrosive (C), Xi = Irritant (Xi), O = Comburent (O),
E = Explosive (E), F+ = Extremely Inflammable (F+), F = Easily Inflammable (F)

The whole text containing the Risk phrases (R) and the hazard indication (H) is shown in section 16 of the sheet.

4. First aid measures.

4.1. Description of first aid measures.

EYES: wash immediately with plenty of water for at least 15 minutes and call the doctor.

SKIN: remove clothing immediately and place the subject under the shower. Call doctor immediately.

INGESTION: drink as much water as possible and call doctor immediately. Do not induce vomiting unless expressly authorized by the doctor.

INHALATION: call the doctor immediately. In the meantime take the subject outside, away from the area of the accident. If breathing should stop or appear difficult, start artificial respiration techniques, adopting the necessary precautions.

4.2. Main symptoms and effects, both acute and delayed.

For symptoms and effects due to substances see section 11

4.3. Indication of possible necessity of consulting immediately a doctor and special treatments.

Follow the indications of the doctor.

5. Fire-fighting measures.

5.1. Fire-fighting facilities.

SUITABLE FIRE-FIGHTING FACILITIES

The fire-fighting facilities are the traditional ones: carbon dioxide, foam, powder and nebulized water.

UNSUITABLE FIRE-FIGHTING FACILITIES

None in particular.

5.2. Special hazards deriving from the substance or from the mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE

Avoid inhaling combustible products (carbon oxide, toxic pyrolysates, etc.).

5.3. Recommendations for fire-fighting staff

GENERAL INFORMATION

Cool the containers with jets of water to avoid decomposition of the product and development of substances that may be potentially hazardous for health. Always wear complete protective fire-resistant equipment. Collect the water used to

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extinguish the fire as it must not be drained off into the sewer system. Discharge the contaminated water used for extinguishing the fire and the residues of the fire according to the regulations in force.

EQUIPMENT

Protective helmet with face mask, fire-proof clothing (fire-resistant jacket and trousers with straps around the arms legs and waist), protective gloves (fire-resistant, cut-proof and dielectric), a full-face depressurized mask that covers the whole face or self-contained breathing apparatus (self-shielding) in the case of large quantities of fumes.

6. Measures in case of accidental release

6.1. Personal precautions, protective devices and procedures in case of emergency

Eliminate all sources of ignition (cigarettes, flames, sparks etc.) from the area in which the leak has occurred. In the case of solid products, avoid the forming of dust by spraying the product with water if there are no contra-indications. In the case of dust dispersed in the air or vapours, use respiratory protection. Block the leak if there is no danger. Do not manipulate damaged containers or touch the leaked product without first putting on the appropriate protective clothing or equipment. Send away from the area persons without protective equipment. For information relating to risks for environment and health, protection of respiratory organs, ventilation and individual protective gear, please refer to the other sections of this sheet.

6.2. Environmental precautions

Prevent the product from leaking into the sewer system, in shallow waters, in unconfined ground-waters and confined surrounding areas.

6.3. Methods and materials for containment and for remediation.

In the case of liquid products, suction the product into an appropriate container (made of material that is compatible) and absorb the leakage with inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr etc.). Collect most of the remaining product with anti-spark equipment and deposit it in containers for waste disposal. In the case of solid products, collect the leaked product with mechanical anti-spark equipment and put it in plastic containers. Eliminate any residues with jets of water if there are no contraindications. Aerate the area of the leakage sufficiently. Waste disposal of the contaminated material must be carried out in conformity with the instructions in point 13.

6.4. Reference to other sections

Any information regarding individual protection and waste disposal is shown in sections 8 and 13.

7. Handling and storage.

7.1. Precautions for safe handling.

Stock in labelled closed containers.

7.2. Conditions for safe storage, including any incompatibilities.

Normal conditions of storage without any particular incompatibilities.

7.3. Particular final uses.

No information available.

8. Control of exposure/individual protection.

8.1. Parameters of control.

Description	Type	State	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm
HYDRATED LIME	TLV-ACGIH		5			

8.2. Control of exposure.

Considering that the use of appropriate technical measures should always be a priority with respect to personal protective equipment, good ventilation should be ensured in the work area by means of an efficacious local extraction or by means of an air vent. If these operations do not consent to keep the concentration of the product below the exposure limit values in the work area, workers should use suitable protective equipment for breathing. While using the product, refer to the hazard label for details. When choosing personal protective equipment, ask the suppliers of chemical substances for advice if necessary. Personal protective devices must conform to the regulations in force as indicated below.

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PROTECTION OF HANDS

Protect hands with category III work gloves (ref. EEC Directive 89/686 and EN regulation 374), in PVA, butyl, fluoroelastomer or equivalent. For the definitive choice of material for work gloves the following must be taken into consideration: degradation, rupture time and permeation. In the case of preparations or compounds the resistance of the work gloves must be verified before use.

Work gloves have a wear-and-tear time that depends on the length of exposure to materials.

PROTECTION OF EYES

Wear protective hermetically sealed goggles (ref. EN regulation 166)

PROTECTION OF SKIN

Wear work clothes with long sleeves and category II safety footwear for professional use (ref. EEC Directive 89/686 and EN regulation 344). Wash with soap and water after removing protective clothing.

PROTECTION FOR BREATHING

In the case of exceeding the threshold values of one or more of the substances present in the preparation, referring to the time of daily exposure in the working environment, or to a fraction established by the company service of prevention and protection, wear a mask with type E filter or a universal type of filter, the class of which (1, 2 or 3) must be chosen in relation to the concentration limit of use (ref. EN regulation 141).

The use of protective devices for breathing, such as masks with cartridges for organic vapours and for dust/mists), is necessary in the absence of technical measures to limit exposure of the worker to substances. The level of protection offered by masks is limited.

In the case in which the substance considered is odourless or if its olfactory threshold is above the limit relating to exposure and in case of emergency, i.e. when exposure levels are not known, or when the concentration of oxygen in the work area is inferior to 17% in volume, the worker should put on a self-contained breathing apparatus with open-circuit compressed air (ref. EN regulation 137) or a respirator with outdoor air intake for use with a full-face mask, half-mask or mouthpiece (ref. EN regulation 138). Possibilities of eye-washing and emergency shower should be available.

9. Physical and chemical properties.

9.1. Information on fundamental physical and chemical properties.

Physical state	powder form
Colour	white or coloured
Odour	characteristic
Odour threshold	NA (not available).
pH	12 – 12,5
Melt point or freezing point	NA (not available).
Boiling point	NA (not available).
Distillation range	NA (not available)
Flash point	NA (not available).
Evaporation rate	NA (not available).
Flammability of solids and gas	NA (not available).
Lower flammability limit	NA (not available).
Upper flammability limit	NA (not available).
Lower explosivity limit	NA (not available).
Upper explosivity limit	NA (not available).
Vapour pressure	NA (not available).
Vapour density	NA not available).
Specific weight	1,05 Kg/l
Solubility	miscible
Partition ratio: n-octanol/water:	NA (not available).
Auto-ignition temperature	NA (not available).
Decomposition temperature	NA (not available).
Viscosity	Thixotropic
Oxidizing properties	NA (not available).

9.2. Other information

No other information available

10. Stability and reactivity

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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 in normal conditions of use and storage

10.3. Possibility of dangerous reactions

In normal conditions of use and storage no dangerous reactions are to be expected.

10.4. Conditions to avoid

None in particular. Nevertheless usual precautions for dealing with chemical products should be followed.

10.5. Incompatible Materials.

No information available.

10.6. Dangerous decomposition products.

Gas and vapours that are potentially dangerous for health may issue due to thermal decomposition or in the case of fire.

11. Toxicological Information.

11.1. Information on toxicological effects.

Acute effects: contact with skin provokes erythema, oedema, dryness and cracking. Inhalation of the vapours may cause moderate irritation of the upper respiratory system. Ingestion may provoke health disorders including abdominal pain with burning, nausea and vomiting.

The product provokes serious injury to the eyes and may cause opacity of the cornea, damage to the iris and irreversible colouring of the eye.

HYDRATED LIME LD50 (Oral): 7340 mg/kg Rat

12. Ecological Information.

Use with the criteria of good work practice, avoiding dispersal of the product into the environment. Notify the competent authorities if the product should reach streams, watercourses or sewer systems or if it should contaminate the soil or vegetation.

12.1. Toxicity.

No information available.

12.2. Persistence and degradability.

No information available.

12.3. Potential of bioaccumulation.

No information available.

12.4. Mobility in the soil.

No information available.

12.5 Results of PBT and vPvB assessments.

No information available.

12.6. Other adverse effects.

No information available.

13. Considerations regarding disposal.

13.1. Methods of waste treatment.

Re-use, if possible. The residues of the product should be considered special hazardous waste. The hazard of the waste that contains in part this product must be assessed on the basis of the legislative regulations in force. Waste disposal must be entrusted to a firm that is authorized to manage waste in conformity with national and, if they exist, local regulations.

CONTAMINATED PACKAGING

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

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14. Information on transport.

The product is not considered dangerous according to the provisions in force regarding material of dangerous goods to be transported via road (A.D.R.), railway (RID), by sea (IMDG Code) or by air (IATA).

15. Information on regulations.

15.1. Specific Rules and Legislation on health, safety and environment for the substance or mixture.

Seveso Category.	None.
Restrictions relating to the product or substances contained according to Attached sheet XVII Regulation (EC) 1907/2006.	
Product Point.	3
Substances in Candidate List (Art. 59 REACH).	None.
Substances subject to authorization (Attachment XIV REACH).	None.
Sanitary control.	

Workers exposed to this chemical agent that is hazardous for health must be subjected to sanitary surveillance carried out according to the provisions of art. 41 of the Legislative Decree no. 81 of April 9th 2008, unless the risk for the safety and health of the worker should be assessed to be irrelevant, in accordance with that provided for by art. 224, paragraph 2.

15.2. Assessment of chemical safety.

No assessment of chemical safety for the mixture and the substances contained in it has been elaborated.

16. Other information.

Text concerning indications of hazard (H) quoted in sections 2-3 of the sheet:

Skin Corr. 1B Skin corrosion, category 1B
H314 Provokes serious skin burns and serious damage to the eyes.

Text of the Risk phrases (R) quoted in sections 2-3 of the sheet:
R34 PROVOKES BURNS.

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/EC and subsequent modifications
2. Directive 67/548/EEC and subsequent modifications and adjustments
3. Regulation (EC) 1907/2006 of European Parliament (REACH)
4. Regulation (EC) 1272/2008 of European Parliament (CLP)
5. Regulation (EC) 790/2009 of European Parliament (I Atp. CLP)
6. Regulation (EC) 453/2010 of European Parliament
7. The Merck Index. Ed. 10
8. Handling Chemical Safety
9. NIOSH - Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique
11. Patty - Industrial Hygiene and Toxicology
12. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

Note for the user:

The information contained in this sheet is based on the knowledge available to us on the date of the last version. The user must ascertain the appropriateness and completeness of the information in relation to the specific use of the product. This document should not be interpreted as a guarantee of any specific property of the product. Since the use of the product is not under our direct control, the user is obliged under his own responsibility to observe the laws and regulations in force with regard to health and safety. We do not assume any responsibility for improper use.