

1. IDENTIFICATION

Product Name	:	Pietra, Decorative Paint (BMA-DPI)
Colors	:	White and Catalog Colors
Material Uses	:	Exterior Plaster
Description	:	Natural Mineral Exterior Plaster
Manufacturer	:	BMA Commercial and Industrial s.a.r.l. Industrial Valley, Ain Saade Nahr El Mot 55091, North Metn Lebanon
Telephone Number	:	+961. 1. 885385 / 485
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2. HAZARDS IDENTIFICATION

Physical State	:	Liquid
Odor	:	Characteristic
Eyes	:	Particles in the eyes may cause irritation and smarting. Repeated or prolonged eye contact may cause inflammation characterized by temporary redness (similar to windburn) of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.
Skin	:	Acts as a defatting agent on skin. May cause cracking of skin and eczema.
Ingestion	:	May cause stomach pain or vomiting.
Inhalation	:	Vapours may cause drowsiness and dizziness. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by weight</u>
Ammonia Solution	1336-21-6	0.20 – 0.40
Ethylene Glycol	107-21-1	0.30 – 0.50

1,2-benzisothiazol-3(2H)-one	2634-33-5	≤0.01
2-methylisothiazol-3(2H)-one	2682-20-4	≤0.01

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 Hazard Communication Standard

4. FIRST-AID MEASURES

Eye Contact	:	Flush eyes with large amount of water for at least 15 minutes without rubbing eyes. Consult a physician if irritation persists.
Skin Contact	:	Remove affected person from source of contamination. Immediately remove all contaminated clothing, including footwear. Wash affected areas thoroughly with soap and water. Consult a physician in case of a lasting irritation.
Inhalation	:	If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing. In case of unconsciousness place patient stably in side position for transportation.
Ingestion	:	If swallowed, seek medical advice immediately and show this SDS. Do not induce vomiting without medical advice. If vomiting occurs, lean patient forward or place on left side (head-down position) to maintain open airway and prevent aspiration. Never give liquid to a person showing signs of being sleepy or with reduced awareness.

5. FIRE-FIGHTING MEASURES

General Information and Flammable Properties	:	The product is not combustible.
Special Hazards arising from the product	:	Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).
Suitable	:	Dry powder, CO ₂ or foam or water spray.
Not Suitable	:	Do not use water jet.
Special Protective Equipment and precautions for fire-fighters	:	Avoid breathing fire vapours. Cool containers exposed to flames with water. Wear breathing apparatus, protective gloves and eye protection. Use fire-fighting procedures suitable for surrounding area.

Employ protective equipment commonly used in the event of fire.
Avoid inhalation of fumes from residue.
DO NOT approach containers suspected to be hot.

6. ACCIDENTAL RELEASE MEASURES

Protective Equipment : Ensure adequate ventilation, do not breathe dust and vapours.
(see Section 8)

Methods and materials for containment and cleaning up : Minor Spills:
Clean up all spills immediately.
Avoid breathing vapours and contact with skin and eyes.
Wear protective clothing, gloves, safety glasses and respirator.
Place spilled material in clean, dry, sealable, labeled container.

Major Spills:
CAUTION: Advise personnel in area.
Alert Emergency Services and tell them location and nature of hazard.
Control personal contact by wearing protective clothing.
Prevent, by any means available, spillage from entering drains or water courses.
Recover product wherever possible.

For cleaning up:
Ventilate, Clean-up personnel should use respiratory and / or liquid contact protection.
Absorb in vermiculite, dry sand or earth and place into containers.
Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

Precautions for Safe Handling

: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid spilling, skin and eye contact. Avoid breathing vapours. Use approved respirator if air contamination is above accepted level. DO NOT allow material to contact humans, exposed food or food utensils. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Do not eat, drink or smoke while handling. Always wash hands with soap and water after handling. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storing and handling recommendations. Workers should wash hands and face before eating, drinking and smoking.

Conditions for Safe Storage

: Consider storage in bounded areas – ensure storage areas are isolated from sources of community water (including storm water, ground water, lakes and streams). Ensure that accidental discharge to air or water is the subject of a contingency disaster management plan; this may require consultation with local authorities. Keep containers securely sealed when not in use. Avoid physical damage to containers. Store in securely sealed original containers. Store in a cool, dry area protected from environmental extremes. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations. Take all precautions mentioned in this document.
Store between +5 °C and + 35 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Control Parameters

<u>Product name</u>	<u>Exposure Limit</u>
Ethylene Glycol	: WEL - Long Term TWA (8 Hr.): 52 mg/m ³ – 20 ppm WEL - Short Term STEL (15 min): 104 mg/m ³ – 40 ppm

Exposure Controls

Appropriate Engineering Controls	: Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. <u>The basic types of engineering controls are:</u> Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard “physically” away from the worker and ventilation that strategically “adds” and “removes” air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. Local exhaust ventilation is required where solids are handled as powders or crystals; even when particulates.
Respiratory Protection	: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Eye Protection	: Safety goggles recommended during refilling
Hand Protection	: Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes

	according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended. Contaminated gloves should be replaced. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
Body Protection	: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene Measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Color	: White and Catalog Colors
Odor	: Characteristic
pH	: 8 – 9.5
Relative Density (g.cm⁻³)	: (1.78 ± 0.1)
Flammability	: Not applicable
Flash Point °C	: Not applicable
Flammability Limit – Lower (%)	: Not applicable
Flammability Limit – Upper (%)	: Not applicable
Lower Explosion Limit, vol / vol air	: Not applicable
Upper Explosion Limit, vol / vol air	: Not applicable
Boiling Point (°C)	: No data available
Melting Point (°C)	: Not applicable
Solubility in water at 20 °C	: Miscible with water
Solid Content % wt	: 88 ± 2
Partition coefficient n-Octanol/Water	: Not applicable

10. STABILITY AND REACTIVITY

Stability and Reactivity	:	<u>Chemical stability</u> : The product is normally stable. <u>Possibility of hazardous reactions</u> : No dangerous reactions known. <u>Conditions to avoid</u> : No significant condition. <u>Incompatible materials</u> : No significant material.
Hazardous Decomposition Products	:	Fire creates: Toxic gases / vapours / fumes of: Carbon dioxide (CO ₂) and Carbon monoxide (CO).
Hazardous Polymerization	:	It will not occur.

11. TOXICOLOGICAL INFORMATION

Specific information about the product itself are not available.

Component: Ethylene Glycol

Acute Oral Toxicity	:	LD50 (Rat) = 4,700 mg/Kg
Acute Dermal Toxicity	:	LD50 (Rabbit) = 10,600 mg/Kg

12. TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	ICAO/IATA
TRANSPORTATION	Road	River	Marine	Airways
PROPER SHIPPING NAME	The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.			
UN/ID No.	-	-	-	-
SYMBOL	-	-	-	-
CLASS	-	-	-	-
PACKAGING GROUP	-	-	-	-
LABELLING NO	-	-	-	-
CLASSIFICATION CODE	-			
HAZARD NO (HIN NO)	-			
EmS			-	
MARINE Polluant			No	
HS CODE	32091010			
<i>Note for International Transportation Regulations: this product is not regulated as a hazardous material.</i>				

13. OTHER INFORMATION

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