

W-573 UNSANDED



Date of compilation: 9/30/2019 Version: 1

SECTION 1: IDENTIFICATION

1.1 GHS Product identifier: W-573 UNSANDED

1.2 Recommended use of the chemical and restrictions on use:

Relevant uses: Mortar preparation for decorative jointless flooring

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Enco & Weco Manufacturing Corp. Baldorioty #43 00739 Cidra - Puerto Rico - Estados Unidos Phone.: +1-787-739-3751 - Fax: +1-787-739-2242 info@encomfg.com http://www.encopr.com

1.4 Emergency phone number: 1-800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture:

29 CFR 1910.1200:

Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.

Carc. 2: Carcinogenicity, Category 2, H351 Eye Dam. 1: Serious eye damage, Category 1, H318 Skin Irrit. 2: Skin irritation, Category 2, H315 Skin Sens. 1B: Sensitisation, skin, Category 1B, H317 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335

2.2

29 CFR 1910.1200:

Label elements:



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Hazard statements:

Carc. 2: H351 - Suspected of causing cancer Eye Dam. 1: H318 - Causes serious eye damage Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1B: H317 - May cause an allergic skin reaction STOT SE 3: H335 - May cause respiratory irritation

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children
P264: Wash thoroughly after use
P280: Wear protective gloves/protective clothing/eye protection/face protection
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501: Dispose of contents and / or their container according to the separated collection system used in your municipality

Cement, portland, chemicals; Titanium dioxide

2.3 Other hazards which do not result in classification:

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Non-applicable

3.2 Mixtures:

Chemical description: Mixture of cement and additives

Components:

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

	Identification	Chemical name/Classification		
CAS:	471-34-1	Calcium Carbonate		
CAS:	65997-15-1	Cement, portland, chemicals Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT SE 3: H335 - Danger		
CAS:	1317-65-3	Limestone		
CAS:	13463-67-7	Titanium dioxide Carc. 2: H351 - Warning	1 - <2.5 %	
CAS:	1305-78-8	Calcium oxide (as carbonate)	<1 %	
CAS:	9003-04-7	Acrylic copolymer	<1 %	
CAS:	14808-60-7	Quartz (RCS < 1 %)	<1 %	
CAS:		Magnesium oxide	<1 %	
Тоо	btain more informati	on on the hazards of the substances consult sections 8, 11, 12, 15 and 16.		

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Non-applicable

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SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.

5.2 Specific hazards arising from the chemical:

The product is not flammable, it is not explosive, and does not enable or feed combustion in other materials

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Sweep up and shovel product or other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Use in ventilated areas. Avoid the build up of dust

B.- Technical recommendations for the prevention of fires and explosions

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:41 °FMaximum Temp.:86 °F

Maximum time: 6 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5 Keep the container tightly sealed and protected from open air and humidity.

7.3 Specific end use(s):

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SECTION 7: HANDLING AND STORAGE (continued)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control parameters:**

8.2

Substances whose occupational exposure limits have to be monitored in the workplace

Identification	Er	vironmental limits	
Cement, portland, chemicals	8-hour TWA PEL		5 mg/m ³
CAS: 65997-15-1	Ceiling Values - TWA PEL		
Limestone	8-hour TWA PEL		5 mg/m ³
CAS: 1317-65-3	Ceiling Values - TWA PEL		
Titanium dioxide	8-hour TWA PEL		15 mg/m ³
CAS: 13463-67-7	Ceiling Values - TWA PEL		
Calcium oxide (as carbonate)	8-hour TWA PEL		5 mg/m ³
CAS: 1305-78-8	Ceiling Values - TWA PEL		
Magnesium oxide	8-hour TWA PEL		15 mg/m ³
CAS: 1309-48-4	Ceiling Values - TWA PEL		

Nuisance dust: Inhalable dust 10 mg/m3 // Respirable dust 4 mg/m3

Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

	Pictogram	PPE	Remarks
	Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).
-	Specific protection	o for the hands	

C.- Specific protection for the hands

Pictogram	PPE	Remarks
Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional /industrial users, we recommend using chemical protection gloves. Use gloves in accordance with manufacturer 's use limitations and OSHA standard 1910.138 (29CFR)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application

D.- Ocular and facial protection

Pictogram	PPE	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued) E.- Bodily protection Pictogram PPE Remarks Work clothing Replace before any evidence of deterioration. Anti-slip work shoes Replace before any evidence of deterioration. F.- Additional emergency measures Emergency measure Emergency measure Standards Standards \mathbf{O}^{+} ANSI Z358-1 DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 ISO 3864-1:2011, ISO 3864-4:2011 Emergency shower Eyewash stations **Environmental exposure controls:** In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D National volatile organic compound emission standards for consumer and commercial products: 0 % weight V.O.C. (Supply): 0 kg/m³ (0 g/L) V.O.C. density at 68 °F: SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES 9.1 Information on basic physical and chemical properties: For complete information see the product datasheet. Appearance: Physical state at 68 °F: Solid Appearance: Powdery Color: According to the markings on the package Odor: Characteristic Odour threshold: Non-applicable * Volatility: Non-applicable * Boiling point at atmospheric pressure: Vapour pressure at 68 °F: Non-applicable * Vapour pressure at 122 °F: Non-applicable * Non-applicable * Evaporation rate at 68 °F: **Product description:** Density at 68 °F: 2803.6 kg/m³ 2.804 Relative density at 68 °F: Dynamic viscosity at 68 °F: Non-applicable * Kinematic viscosity at 68 °F: Non-applicable * Kinematic viscosity at 104 °F: Non-applicable * Concentration: Non-applicable * pH: Non-applicable * Vapour density at 68 °F: Non-applicable * *Not relevant due to the nature of the product, not providing information property of its hazards.

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SECT	ION 9: PHYSICAL AND	CHEMICAL PROPERTIES	(continued)		
	Partition coefficient n-octa	nol/water 68 ºF:	Non-applicable *		
	Solubility in water at 68 of	:	Non-applicable *		
	Solubility properties:		Non-applicable *		
	Decomposition temperatur	e:	Non-applicable *		
	Melting point/freezing poir	it:	Non-applicable *		
	Explosive properties:		Non-applicable *		
	Oxidising properties:		Non-applicable *		
	Flammability:				
	Flash Point:		Non-applicable		
	Flammability (solid, gas):		Non-applicable *		
	Autoignition temperature:		Non-applicable *		
	Lower flammability limit:		Non-applicable *		
	Upper flammability limit:		Non-applicable *		
	Explosive:				
	Lower explosive limit:		Non-applicable *		
	Upper explosive limit:		Non-applicable *		
9.2	Other information:				
	Volatile Organic Compound	ds (g/L):	0		
	Refraction index:		Non-applicable *		
	*Not relevant due to the nature	of the product, not providing inform	nation property of its hazards.		
SECT	ION 10: STABILITY AN	D REACTIVITY			
10.1	Reactivity:				
	No hazardous reactions ar	e expected because the prod	luct is stable under recom	mended storage condition	s. See section 7.
10.2	Chemical stability:				
	Chemically stable under th	e conditions of storage, hand	dling and use.		
10.3	Possibility of hazardou	s reactions:			
	Under the specified condit	ions, hazardous reactions tha	at lead to excessive tempe	ratures or pressure are no	ot expected.
10.4	Conditions to avoid:				
	Applicable for handling an	d storage at room temperatu	re:		
	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
	Not applicable	Not applicable	Not applicable	Not applicable	Avoid direct impact
10.5	Incompatible materials	:			
	Acids	Water	Oxidising materials	Combustible materials	Others
	Incompatible	Silicate formation and calcium hydroxide	Not applicable	Not applicable	Base metal salts (Al, NH4,)
10.6	Hazardous decomposit	on products:			·J
	-	and 10.5 to find out the spe	cific decomposition produc	ts. Depending on the dec	composition conditions,
		ical substances can be released			
	•		(00 <u></u>)		ner organie compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:





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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure: A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- B- Inhalation (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - Contact with the eyes: Produces serious eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.
 - IARC: Quartz (RCS < 1 %) (1); Titanium dioxide (2B)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
 - Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Contact with human skin, without adequate protection, can result in skin thickening, cracking, or fissuring Contact with human skin, without adequate protection, can result in skin thickening, cracking, or fissuring **Specific toxicology information on the substances:**

	Identification	Acu	te toxicity	Genus
Titanium dioxide		LD50 oral	10000 mg/kg	Rat
CAS: 13463-67-7		LD50 dermal	10000 mg/kg	Rabbit
		LC50 inhalation	Non-applicable	
Limestone		LD50 oral	5100 mg/kg	Rat
CAS: 1317-65-3		LD50 dermal	Non-applicable	
		LC50 inhalation	Non-applicable	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available





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SECTION 12: ECOLOGICAL INFORMATION (continued)
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- **12.1 Ecotoxicity (aquatic and terrestrial, where available):** Not available
- **12.2 Persistence and degradability:** Not available
- **12.3 Bioaccumulative potential:** Not available
- **12.4 Mobility in soil:** Not available
- 12.5 Results of PBT and vPvB assessment: Non-applicable
- **12.6** Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question: SARA Title III - Toxic Chemical Release Inventory Reporting (Section 313): Non-applicable

California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986): Titanium dioxide The Toxic Substances Control Act (TSCA) : Calcium Carbonate ; Cement, portland, chemicals ; Limestone ; Titanium dioxide ; Calcium oxide (as carbonate) ; Quartz (RCS < 1 %) ; Magnesium oxide Massachusetts RTK - Substance List: Non-applicable New Jersey Worker and Community Right-to-Know Act: Cement, portland, chemicals ; Limestone ; Titanium dioxide ; Calcium oxide (as carbonate) ; Quartz (RCS < 1 %) ; Magnesium oxide New York RTK - Substance list: Titanium dioxide ; Calcium oxide (as carbonate) ; Magnesium oxide Pennsylvania Worker and Community Right-to-Know Law: Cement, portland, chemicals ; Limestone ; Titanium dioxide ; Calcium oxide (as carbonate); Quartz (RCS < 1%); Magnesium oxide CANADA-Domestic Substances List (DSL): Calcium Carbonate ; Cement, portland, chemicals ; Titanium dioxide ; Calcium oxide (as carbonate); Quartz (RCS < 1 %); Magnesium oxide CANADA-Non-Domestic Substances List (NDSL): Limestone NTP (National Toxicology Program): Non-applicable Minnesota - Hazardous substances ERTK: Cement, portland, chemicals ; Limestone ; Titanium dioxide ; Calcium oxide (as carbonate) Quartz (RCS < 1 %); Magnesium oxide Rhode Island - Hazardous substances RTK: Cement, portland, chemicals ; Limestone ; Titanium dioxide ; Calcium oxide (as carbonate); Quartz (RCS < 1 %); Magnesium oxide OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Quartz (RCS < 1 %) Hazardous substances release notification under CERCLA sections 102-103 (40 CFR Part 302): Non-applicable

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SECTION 15: REGULATORY INFORMATION (continued)

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

The Toxic Substances Control Act (TSCA)

Occupational Safety and Health Standards (1910 Subpart Z - Toxic and Hazardous Substances)

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation

H318: Causes serious eye damage

H335: May cause respiratory irritation

H317: May cause an allergic skin reaction

H351: Suspected of causing cancer

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:

Carc. 2: H351 - Suspected of causing cancer Eye Dam. 1: H318 - Causes serious eye damage Skin Irrit. 2: H315 - Causes skin irritation Skin Sens. 1B: H317 - May cause an allergic skin reaction STOT SE 3: H335 - May cause respiratory irritation

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50 EC50: Effective concentration 50 Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon

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END OF SAFETY DATA SHEET