

284 120 002

## MATERIAL SAFETY DATA SHEET

MSDS No.

## MAGNESIUM CARBONATE

VIVION INC.  
929 BRANSTEN ROAD  
SAN CARLOS, CA 94070

**IMPORTANT:** Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product.

<b>I. General</b>																				
Trade Name		Telephone Numbers																		
Magnesium Carbonate		EMERGENCY 415-595-3600 CHEMTRIC																		
Formula : 3.2 MgCO <sub>3</sub> Mg (OH) <sub>2</sub> 3.2 H <sub>2</sub> O		800-424-9300 HOT LINE																		
Chemical Family		CUSTOMER SERVICE 415-595-3600 MSDS/INFO																		
Alkaline Earth Salt		DOT Hazard Material Proper Shipping Name N / AP																		
Generic Name		DOT Hazard Class N / AP																		
Magnesium Carbonate																				
CAS NO.	Company ID No.	UN/NA ID NO:																		
<b>II. CAUTION Summary of Hazards</b>																				
Contains no component listed in 29CFR 1910.1000 Tables Z-1, Z-2 or Z-3 nor anything in other pertinent sections of 29CFR 1910.1001 thru 1910.1029																				
<b>III. Fire and Explosion</b>																				
Flash Point (Method)	Autoignition Temperature (Method)	Flammable Limits (% Vol. in Air)																		
N/A	N/A	Lower Upper Non Flammable																		
Fire and Explosion Hazards	There are no fire or explosion hazards																			
Extinguishing Media	Decomposes with the release of CO <sub>2</sub> at elevated temperatures.	<table> <thead> <tr> <th colspan="3">HAZARD RATING</th> </tr> </thead> <tbody> <tr> <td>4 - Extreme</td><td>Health 1</td><td>Reactivity 1</td></tr> <tr> <td>3 - High</td><td></td><td></td></tr> <tr> <td>2 - Moderate</td><td></td><td></td></tr> <tr> <td>1 - Slight</td><td>Fire 1</td><td>Special</td></tr> <tr> <td>0 - Insignificant</td><td></td><td></td></tr> </tbody> </table>	HAZARD RATING			4 - Extreme	Health 1	Reactivity 1	3 - High			2 - Moderate			1 - Slight	Fire 1	Special	0 - Insignificant		
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Special Firefighting Procedures	Precautions should be taken to provide operating personnel with adequate oxygen supply when large volumes of MgCO <sub>3</sub> are exposed to elevated temperatures																			

**IV.****Health Hazards****Summary of Acute Hazards**

ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	Primary Route (s)
Inhalation	May cause irritation to respiratory tract	
Eye Contact	May cause irritation to eyes	
Skin Absorption		
Skin Irritation	None Identified	
Ingestion	Functions as Antacid at 600 mg.; As Laxative at 8 mg level	
<b>Summary of Chronic Hazards and Special Health Effects</b>	No data available	

**V.****Protective Equipment and other Control Measures**

## Eye

Safety Glasses

## Respiratory

Use an approved dust respirator

## Skin

## Engineering Controls

Ventilation: Use adequate general or local exhaust ventilation

## Other Hygienic and Work Practices

**VI.****Occupational Exposure Limits**

Substance	Source	Date	Type	Value/Unit	Time
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NOT AVAILABLE

## VII.

## Emergency and First Aid

**Inhalation**

Remove to fresh air

**Eye Contact**

Flush eyes with large quantities of water for at least 15 mins including under eyelids

**Skin Contact**

Wash thoroughly with water

**Ingestion**

Do not induce vomiting . Drink water or milk

**Emergency Medical Treatment Procedures**

Emergency very unlikely

## VIII.

## Spill and Disposal

**Precaution if material is Spilled or Released**

Spills pose no unusual safety hazards and normal plant clean-up procedures can be followed

**Waste Disposal Methods**

Dry landfill if local regulation permit.

This may not be a complete

## IX. Components

list of components

**Component Name****CAS No.****Carcinogen ##****Composition amount (Vol.)  
(see Qualification on Page 4)**

None

## Listed By: 1 = NTP, 2= IARC, 3= OSHA, 4 = Other

Compositions given are typical values, not specifications

**X.****Physical and Chemical Data**

Boiling Point N/A	Viscosity Units, Temp. (Method) SA 1000 S-1000	Dry Point
Melting Point N/A	Vapor Pressure Nil	Volatile Characteristics 56 - 58%
Specific Gravity (H <sub>2</sub> O=1 at 39.2°F) 2-16	Vapor Sp.Gr.(Air=1.0 at 60°-90°F) Not applicable	pH
Hazardous Polymerization Will not occur	Other Chemical Reactivity	Stability STABLE

Other:

Appearance and Odor	Light, bulky White Powder      No Odor
Conditions to Avoid	Soluble in dilute acids with effervescence
Materials to Avoid	Dilute Acids
Hazardous Decomposition Products	CO <sub>2</sub> (Carbon Dioxide)

**XI.****Additional Precautions**

Handling, Storage, and Decontamination Procedures	None, except to protect product from external contamination to maintain its utilitarian value		
General Comments			

<b>Note</b>	<b>Qualifications</b>	EQ=Equal	AP=Approximately	N/A=No Applicable Information Found
		LT=Less Than	UK= Unknown	N/A=Not Applicable
		GT= Greater Than	TR=Trace	N/D=No Data Available

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This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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XII.

Regulatory Information

NONE KNOWN