



# Precipitated Calcium Carbonate Slurry

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 5/10/2022 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Precipitated Calcium Carbonate Slurry  
Product code : Magnum Fill Slurry(50% Stabilized, 65%, 65% Stabilized, 70%), Magnum Gloss Slurry (72%)

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Paper industry and associated applications  
Restrictions on use : Not for food or food contact applications

#### 1.3. Supplier

Specialty Minerals Inc.,  
16147 US Highway 61  
Ste Genevieve, MO 63670  
USA  
Tel.: 1-610-882-8540  
Fax: 1-610-861-3412

#### 1.4. Emergency telephone number

Emergency number : +1 760 476 3962  
3E Global Emergency Response Services. Access code: 333336 (if you mention SDS name and company name-you don't need the access code)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Dried out product can release dust. Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Precipitated Calcium Carbonate	CAS-No.: 471-34-1	50 - 80	Not classified
Water	CAS-No.: 7732-18-5	20 - 50	Not classified

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Dried out product can release dust. Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.
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### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None known.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: Not flammable.
Reactivity in case of fire	: Dried out product (Calcium carbonate) can decompose at high temperature with generation of carbon dioxide.
Hazardous decomposition products in case of fire	: Dried product: Carbon dioxide. Calcium oxide.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. Ventilate area. Dried out product can release dust. Avoid dust formation. Avoid contact with skin, eyes and clothing. Avoid breathing dust.

##### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Where excessive dust may result, wear approved mask.

Emergency procedures : Ventilate area. Dried out product can release dust. Avoid dust formation. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear independent breathing equipment.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk. Dam up the liquid spill.

Methods for cleaning up : Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wash spill area with soapy water. Washings must be prevented from entering surface water drains. Dried out product: Sweep up spilled material without making dust.

#### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Dried out product can release dust. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep in a cool, well-ventilated place. Keep container closed when not in use. Keep away from food, drink and animal feeding stuffs.

Incompatible materials : Acids. fluorine. Alum. Ammonium salts. Mercury/hydrogen mixtures.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Precipitated Calcium Carbonate (471-34-1)

##### USA - OSHA - Occupational Exposure Limits

Local name	Precipitated Calcium Carbonate
OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)

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Precipitated Calcium Carbonate (471-34-1)	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	10 mg/m <sup>3</sup> (Total dust), 5 mg/m <sup>3</sup> (Respirable fraction)
Regulatory reference (US-NIOSH)	Pocket Guide to Chemical Hazards

### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Dried out product can release dust. Provide appropriate exhaust ventilation at places where dust is formed.
Environmental exposure controls	: Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

<b>Hand protection:</b>
Wear chemically resistant protective gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.
<b>Eye protection:</b>
Wear safety glasses with side shields.
<b>Skin and body protection:</b>
Long-sleeved protective clothing
<b>Respiratory protection:</b>
In case of insufficient ventilation and possible dust formation, wear suitable respiratory equipment. Dust mask or respirator

#### Thermal hazard protection:

Not required for normal conditions of use.

#### Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Slurry.
Color	: White
Odor	: Odorless
Odor threshold	: No data available
pH	: 8 – 9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C (212 °F)(Water)
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available

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Relative density	: No data available
Solubility	: Water: Insoluble (Solid portion of mixture)
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 550 °C (Dried product)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidizing.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Contact with acids or strong heating liberates carbon dioxide, sometimes violently. Calcium carbonate ignites in contact with fluorine.

### 10.4. Conditions to avoid

Dried out product can release dust. Dust formation. Heat.

### 10.5. Incompatible materials

Acids. fluorine. Alum. Ammonium salts. Mercury/hydrogen mixtures.

### 10.6. Hazardous decomposition products

Dried product: Carbon dioxide. Calcium oxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Precipitated Calcium Carbonate (471-34-1)	
LD50 oral, rat	> 2000 mg/kg female (OECD 420 method)
LD50 dermal, rabbit	> 2000 mg/kg (OECD 402 method)
LC50 inhalation, rat (mg/l)	> 3 mg/l - 4 Hours (OECD 403 method)

Skin corrosion/irritation	: Not classified pH: 8 – 9
Serious eye damage/irritation	: Not classified pH: 8 – 9
Respiratory or skin sensitization	: Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: Dried out product can release dust. Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.

## SECTION 12: Ecological information

### 12.1. Toxicity

Precipitated Calcium Carbonate (471-34-1)	
LC50 fish	> 100 % v/v Saturated solution - 96 Hours (Oncorhynchus mykiss) (OECD 203 method)
EC50 Daphnia	> 100 % v/v Saturated solution - 48 Hours (Daphnia magna, Mobility) (OECD 202 method)

### 12.2. Persistence and degradability

Precipitated Calcium Carbonate Slurry	
Persistence and degradability	Not relevant for inorganic substances.

Precipitated Calcium Carbonate (471-34-1)	
Persistence and degradability	Not relevant for inorganic substances.

### 12.3. Bioaccumulative potential

Precipitated Calcium Carbonate Slurry	
Bioaccumulative potential	Not relevant for inorganic substances.

### 12.4. Mobility in soil

Precipitated Calcium Carbonate Slurry	
Ecology - soil	No information available.

Precipitated Calcium Carbonate (471-34-1)	
Ecology - soil	Slightly soluble in: Water.

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

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### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

#### 14.3. Transport hazard class(es)

##### DOT

Transport hazard class(es) (DOT) : Not applicable

##### TDG

Transport hazard class(es) (TDG) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

#### 14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

#### 14.5. Environmental hazards

Other information : No supplementary information available.

#### 14.6. Special precautions for user

Special transport precautions : No special precautions required

##### DOT

No data available

##### TDG

No data available

##### IMDG

No data available

##### IATA

No data available

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

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### 15.2. International regulations

##### CANADA

##### Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

##### Precipitated Calcium Carbonate (471-34-1)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

##### Water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### Precipitated Calcium Carbonate (471-34-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Precipitated Calcium Carbonate(471-34-1)	U.S. - Massachusetts - Right To Know List

### SECTION 16: Other information

Data sources : US OSHA HazCom (GHS) 25 May 2012.  
Other information : None.

Abbreviations and acronyms	
	ACGIH (American Conference of Government Industrial Hygienists)
	BCF (Bioconcentration Factor/Bioconcentration factor)
	CAS (Chemical Abstracts Service) number
	DOT (Department Of Transportation (US))
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)



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Abbreviations and acronyms	
	IATA (International Air Transport Association)
	IBC (Intermediate Bulk Container)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	Koc (Soil adsorption coefficient)
	NIOSH (National Institute for Occupational Safety and Health)
	NOEC (No Observed Effect Concentration)
	OECD (Organisation for Economic Co-operation and Development)
	OEL (Occupational exposure limit)
	OSHA (Occupational Safety and Health Administration) (US)
	PEL (Permissible Exposure Limit)
	QSAR (Quantitative Structure-Activity Relationship)
	STEL (Short Term Exposure Limit)
	TLV (Threshold Limit Value) (ACGIH)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	WAF (Water Accommodated Fraction)

NFPA health hazard

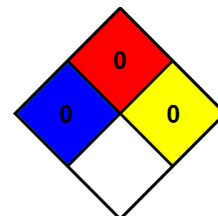
: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health

: 0 Minimal Hazard - No significant risk to health

Flammability

: 0 Minimal Hazard - Materials that will not burn

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

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