



# Precipitated calcium carbonate (PCC) coated with calcium stearate

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 9/11/2012 Revision date: 2/10/2022 Supersedes: 3/16/2015 Version: 3.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Precipitated calcium carbonate (PCC) coated with calcium stearate  
Product code : C-MS-AT-2002ADCOSPCC  
Other means of identification : SUPER-PFLEX® 100, SUPER-PFLEX® 200, THIXOCARB® 100, THIXOCARB® 200, THIXOCARB® 300, THIXO-CARB® HP, ULTRA-PFLEX®, ULTRA-PFLEX® 100

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

Use of the substance/mixture : Mineral additive

#### 1.3. Supplier

Specialty Minerals Inc.,  
260 Columbia Street,  
Adams,  
MA 01220  
USA  
Telephone: 1-877-684-7627

#### 1.4. Emergency telephone number

Emergency number : +1 413-743-0591 / +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 : 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	94 - 98	Not classified
Calcium stearate	CAS-No.: 1592-23-0	2 - 6	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 contaminated clothing immediately and wash affected skin with plenty of water or soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Ensure that folded skin of eyelids is thoroughly washed with water. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Wash out mouth with water and 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	: 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	: Decomposes on heating (Calcium carbonate > 700°C, Calcium stearate > 200°C). Thermal decomposition generates : Carbon dioxide. Calcium oxide.
Hazardous decomposition products in case of fire	: Carbon dioxide. Calcium oxide.

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

Protection during firefighting	: Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
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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. Avoid dust formation. Avoid breathing dust. Avoid contact with eyes, skin and clothing.

##### 6.1.2. For emergency responders

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

Emergency procedures : Ventilate area. Avoid dust formation. Avoid breathing dust. Avoid contact with eyes, skin and clothing. 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.

Methods for cleaning up : Collect using vacuum cleaner fitted with HEPA filter. - OR - Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. Do not dry sweep dust. Store away from other materials.

#### 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. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes.

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

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

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.

Incompatible materials : Acids.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Provide appropriate exhaust ventilation at places where dust is formed.

Environmental exposure controls : Avoid release to the environment.

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### 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>
Not required for normal conditions of use
<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	: Solid
Appearance	: Dry powder.
Color	: White
Odor	: odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 2.71 (Water = 1)
Solubility	: Water: Partially soluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: Calcium carbonate > 700°C, Calcium stearate > 200°C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not applicable.
Oxidizing properties	: Not oxidizing.

### 9.2. Other information

No additional information available

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### 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.

#### 10.4. Conditions to avoid

Heat. Dust formation.

#### 10.5. Incompatible materials

Acids.

#### 10.6. Hazardous decomposition products

Contact with acids or strong heating liberates carbon dioxide, sometimes violently. Thermal decomposition generates : 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 (OECD 420 method)
LD50 dermal, rat	> 2000 mg/kg (OECD 402 method)
LC50 inhalation, rat (mg/l)	> 3 mg/l - 4 Hours, aerosol (OECD 403 method)

Calcium stearate (1592-23-0)	
LD50 oral, rat	> 2000 mg/kg body weight (female), (OECD 423 method)
LD50 dermal, rat	> 2000 mg/kg (OECD 420 method)

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified

Precipitated Calcium Carbonate (471-34-1)	
Additional data	NOEL(P0), rat, oral: 1000 mg/kg bw/day (Fertility (OECD 422 method)),NOAEL(F1), rat, oral: ≥ 1000 mg/kg bw/day (Fertility (OECD 422 method)),NOAEC(P0), female, rat, Inhalation: > 1.25 % w/w Calcium (Maternal Toxicity (OECD 414 method)),NOAEC(F1), rat, Inhalation: 1.25 % w/w Calcium (Developmental toxicity (OECD 414 method))

STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

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Precipitated Calcium Carbonate (471-34-1)	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	≥ 0.212 (Local effects), (OECD 413 method)
Additional data	NOEC, rat, Inhalation: 0.399 mg/l (90 days, Systemic effects (OECD 413 method)) NOAEL, rat, oral: 1000 mg/kg bw/day (48 days, OECD 422 method)
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and symptoms	: Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Not classified.

Precipitated Calcium Carbonate (471-34-1)	
LC50 fish	> 100% v/v saturated solution of test material - Exceeds maximum solubility of substance (96 Hours, Oncorhynchus mykiss), (OECD 203 method)
EC50 Daphnia	> 100% v/v saturated solution of test material - Exceeds maximum solubility of substance (48 Hours, Daphnia magna, Mobility), (OECD 202 method)
EC50 - Other aquatic organisms [2]	> 1000 mg/l 3 Hours - Activated sewage sludge - (OECD 209 method)
Additional ecotox information	NOEC, algae: > 50% v/v saturated solution of test material (72 Hours, Pseudokirchneriella subcapitata, Growth rate (OECD 201 method)) NOEC, algae: 14 mg/l (72 Hours, Desmodesmus subspicatus, Growth rate (OECD 201 method))

### 12.2. Persistence and degradability

Precipitated Calcium Carbonate (471-34-1)	
Persistence and degradability	Not relevant for inorganic substances.
Calcium stearate (1592-23-0)	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

Precipitated Calcium Carbonate (471-34-1)	
Log Pow	Not relevant for inorganic substances
Bioaccumulative potential	Bioaccumulation unlikely.
Calcium stearate (1592-23-0)	
BCF - Fish [1]	3.377 l/kg (calculated value)
Log Pow	3.82 (25 °C)
Bioaccumulative potential	Low bioaccumulation potential.

### 12.4. Mobility in soil

Precipitated Calcium Carbonate (471-34-1)	
Ecology - soil	No information available.

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Calcium stearate (1592-23-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.812 (pH 7.15, 25 °C), (OECD 121 method)
Ecology - soil	Low potential for absorption in soil.

### 12.5. Other adverse effects

No additional information available

## 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.

## 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.

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### 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

## 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

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

Listed on the Canadian DSL (Domestic Substances List)

##### Calcium stearate (1592-23-0)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Revision date : 02/10/2022  
Data sources : US OSHA HazCom (GHS) 25 May 2012.  
Other information : None.

### Abbreviations and acronyms

ACGIH (American Conference of Government Industrial Hygienists)
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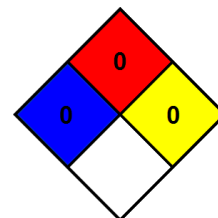
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Abbreviations and acronyms	
	DOT (Department Of Transportation (US))
	CAS (Chemical Abstracts Service) number
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	NIOSH (National Institute for Occupational Safety and Health)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PEL (Permissible Exposure Limit)
	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)

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.

Indication of changes:			
Section	Changed item	Change	Comments
1	Identification	Modified	
2	Hazards identification	Modified	
3	Composition/Information on ingredients	Modified	
4	First aid measures	Modified	
5	Fire fighting measures	Modified	
6	Accidental release measures	Modified	

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7	Handling and storage	Modified	
8	Exposure controls / Personal protection equipment	Modified	
9	Physical and chemical properties	Modified	
10	Stability and reactivity	Modified	
11	Toxicological information	Modified	
12.	Ecological information	Modified	
13	Disposal considerations	Modified	
15	Regulatory information	Modified	
16	Other information	Modified	

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