



HUBER ENGINEERED MATERIALS

# Safety Data Sheet

## Optifil®

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03  
Canadian Workplace Hazardous Material Information System (WHMIS) 2015  
Mexico NOM-018-STPS-2000; NOM-018-STPS-2015  
Globally Harmonized System (GHS)

Issue Date: 12/Sep/2019  
Print Date: 12/Sep/2019

Revision Number: 1.3.1  
Page 1 of 10

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Name:** Optifil®  
**Pure substance/mixture** Substance

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Filler. Functional additive.  
**Uses advised against** None known.

### 1.3. Details of the supplier of the safety data sheet

**Company:** Huber Carbonates, LLC  
3100 Cumberland Boulevard, Suite 600  
Atlanta, GA 30339 USA

Tel: +1 678 247-7300

**Internet** [www.hubermaterials.com](http://www.hubermaterials.com)

**E-mail** [hubermaterials@huber.com](mailto:hubermaterials@huber.com)

**1.4. Emergency telephone number** CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**OSHA Regulatory Status** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) <0.1% crystalline silica

**Physical Hazards** Not classified

**Health Hazards** Not classified

Issue Date: 12/Sep/2019  
 Print Date: 12/Sep/2019

Revision Number: 1.3.1  
 Page 2 of 10

**Environmental Hazard** Not classified

## 2.2. Label elements

**Symbols/Pictograms** None

**Signal Word** None

**Hazard Statements** None

**Hazard Statements** None

## Precautionary Statements

**Prevention** Employ good industrial hygiene practice  
 Do not breathe dust  
 Wear protective gloves/protective clothing/eye protection/face protection

**Response** IF exposed or concerned: Get medical advice/attention

**Storage** Store away from incompatible materials

**Disposal** Dispose of contents/containers in accordance with local regulations

**Additional Information:** None.

**Hazards not otherwise classified (HNOC)** None known.

## SECTION 3: Composition/information on ingredients

**Pure substance/mixture** Substance

Chemical Name	CAS Number	TSCA: United States	Canada (DSL)	Mexico	REACH registration number	OSHA Regulatory Status	WHMIS	Weight-%
Calcium Carbonate	471-34-1	A	Y	Y	Exempt	Not classified	--	100

**Legend**

X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General Advice** When in doubt or if symptoms are observed, get medical advice. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Issue Date: 12/Sep/2019  
Print Date: 12/Sep/2019

Revision Number: 1.3.1  
Page 3 of 10

<b>Eye Contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin Contact</b>	Wash with plenty of soap and water.
<b>Ingestion</b>	Rinse mouth thoroughly with water.
<b>Inhalation</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Aspiration hazard</b>	Not an expected route of exposure.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	Signs and symptoms may include coughing, gasping, choking and difficulty breathing.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable Extinguishing Media

None known.

### 5.2. Special hazards arising from the substance or mixture

None known.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### Fire-fighting measures

In case of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions,

Ensure adequate ventilation. Use personal protection recommended in Section 8.

- protective equipment and emergency procedures**      Avoid dust formation. Keep unauthorized personnel away.
- For non-emergency personnel**      Keep unauthorized personnel away.
- For emergency responders**      Keep unauthorized personnel away. Use personal protection recommended in Section 8.
- 6.2. Environmental precautions**      Avoid runoff to waterways and sewers.
- 6.3. Methods and material for containment and cleaning up**      Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust Small Spill: Vacuum or sweep material and place in a disposal container
- 6.4. Reference to other sections**      Section 8: Exposure controls and personal protection. See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling**      Minimize dust generation and accumulation. Provide local exhaust ventilation.
- 7.2. Conditions for safe storage, including any incompatibilities**      Store away from incompatible materials. Keep container tightly closed and dry.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

**Calcium Carbonate**

OSHA	10 mg/m <sup>3</sup>
ACGIH	3 mg/m <sup>3</sup> Respirable
	10 mg/m <sup>3</sup> Total Dust
Canada	10 mg/m <sup>3</sup>
Canada - BC TWA	3 mg/m <sup>3</sup> (resp.)
	10 mg/m <sup>3</sup>

**Biological Limit Values:**      None

**8.2. Exposure controls**

Issue Date: 12/Sep/2019

Print Date: 12/Sep/2019

Revision Number: 1.3.1

Page 5 of 10

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas. Provide a good standard of controlled ventilation (10 to 15 air changes per hour).
<b>Personal protective equipment</b>	
<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear suitable protective clothing.
<b>Hand protection</b>	For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.
<b>Hand Protection</b>	For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.
<b>Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	None known.
<b>Hygiene Measures</b>	Follow general hygiene considerations recognized as common good workplace practices. The worker should wash daily at the end of each work shift, and prior to eating, drinking, smoking, etc.
<b>Environmental Exposure Controls</b>	Dispose of in accordance with local regulations.

## SECTION 9: Physical and chemical properties

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

<b>Appearance:</b>	
<b>Physical State</b>	Solid Powder
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available
<b>pH:</b>	8.0 - 10.2 5% Water suspension
<b>Melting point / Freezing point</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Flash Point:</b>	Not applicable.
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper flammability limit:</b>	
<b>Lower flammability limit:</b>	
<b>Vapor Pressure</b>	Not applicable
<b>Relative Density</b>	2.7 g/cm <sup>3</sup> @ 20°C
<b>Water Solubility</b>	1.3 g/l, 20° C
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	1292 - 1652 °F (700 - 900 °C)
<b>Viscosity</b>	Not applicable.
<b>Explosive Properties</b>	Not applicable
<b>Oxidizing Properties</b>	Not applicable

VOC Content (%) Not applicable

**SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	None
<b>10.2. Chemical stability</b>	Stable
<b>10.3. Possibility of hazardous reactions</b>	No specific hazard known
<b>10.4. Conditions to avoid</b>	None known
<b>10.5. Incompatible materials</b>	None known
<b>10.6. Hazardous decomposition products</b>	None known

**SECTION 11: Toxicological information**

**General Information** Users are advised to consider national Occupational Exposure Limits or other equivalent values.

**Information on Likely Routes of Exposure**

<b>Inhalation</b>	Avoid inhalation of the product
<b>Skin</b>	Avoid prolonged or repeated contact with skin
<b>Eyes</b>	Avoid contact with eyes Dust contact with the eyes can lead to mechanical irritation
<b>Ingestion</b>	Ingestion is not a likely route of exposure
<b>Aspiration hazard</b>	Not an expected route of exposure.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Signs and symptoms may include coughing, gasping, choking and difficulty breathing.

**11.1. Information on toxicological effects**

**Calcium Carbonate**  
Oral LD50 6450 mg/kg (rat)

Issue Date: 12/Sep/2019  
Print Date: 12/Sep/2019

Revision Number: 1.3.1  
Page 7 of 10

<b>Chronic Effects</b>	Based on available data, the classification criteria are not met.
<b>Respiratory Sensitization</b>	Based on available data, the classification criteria are not met
<b>Serious eye damage/eye irritation</b>	Contact with eyes may cause irritation
<b>Skin Corrosion/Irritation</b>	Prolonged or repeated contact may dry skin and cause irritation
<b>Skin Sensitization</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive Toxicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Specific target organ toxicity - Single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - Repeated exposure</b>	Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

**12.1. Ecotoxicity** Not considered to be harmful to aquatic life.

**Calcium Carbonate**

**WGK Classification (AwSV)** 317 WGK: nwg

**12.2. Persistence and degradability** Not readily biodegradable.

**12.3. Bioaccumulative potential** None.

**Partition coefficient** Not applicable

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** None.

**12.5. Results of PBT and vPvB assessment** This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects** None known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Disposal Methods</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Waste codes</b>	Waste codes should be assigned by the user based on the application for which the product was used

#### Calcium Carbonate

**WGK Classification (AwSV)** 317 WGK: nwg

## SECTION 14: Transport information

### Mode of Transportation (Road, Water, Air, Rail)

<b>TDG -Canada</b>	Not regulated
<b>DOT</b>	Not regulated
<b>ADR</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADN</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated
<b>ICAO</b>	Not regulated

<b>14.1. UN number</b>	None
<b>14.2. UN proper shipping name</b>	None
<b>14.3. Transport hazard class(es)</b>	None
<b>14.4. Packing group</b>	None
<b>14.5. Environmental hazards</b>	No
<b>14.6. Special precautions for user</b>	Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
Not applicable



## SECTION 15: Regulatory information

### Global Inventories

Pure substance/mixture                      Substance

Chemical Name	CAS Number	EC No	REACH registration number	Australia (AICS)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Calcium Carbonate	471-34-1	207-439-9	Exempt	Y	Y	Y	(1)-122(ENCS)(ISHL)	KE-04487	Y	Y	Y	Y	A

**Legend**

X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

### US Federal Regulations

#### EPA

##### **CERCLA**

##### Calcium Carbonate

SARA 311/312 Hazardous Categorization                      None

##### Calcium Carbonate

Acute Health Hazard                      No  
 Chronic Health Hazard                      No  
 Fire Hazard                      No

##### **CWA (Clean Water Act)**

Not listed

##### **CAA (Clean Air Act)**

Not listed

### U.S. State Right-to-Know Regulations

Chemical Name	CAS Number	California Proposition 65	California CPR	Massachusetts	Minnesota	New Jersey	Pennsylvania
Calcium Carbonate	471-34-1	N		N	N	N	N

#### **California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This product does not contain any Proposition 65 chemicals

#### **CANADA**

##### **WHMIS:**

Crystalline silica is not present in this product at levels above 0.1%

## SECTION 16: Other information

Prepared by

Huber Engineered Materials (HEM) Global Regulatory Affairs

HUBER

# Safety Data Sheet

Optifil®

Issue Date: 12/Sep/2019

Print Date: 12/Sep/2019

Revision Number: 1.3.1

Page 10 of 10

regulatory.affairs@huber.com

Issue Date: 12/Sep/2019

Print Date: 12/Sep/2019

Revision Number: 1.3.1

Reason for Version OSHA (Occupational Safety and Health Administration of the US Department of Labor).

Training Advice Do not handle until all safety precautions have been read and understood.

Abbreviations and acronyms International Agency for Research on Cancer (IARC)  
International Air Transport Association (IATA)  
International Maritime Dangerous Goods (IMDG)  
International Uniform Chemical Information Database (IUCLID)  
Workplace Hazardous Materials Information System (WHMIS) status and classification  
EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification  
DOT (Department of Transportation)  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
TWA - Time-Weighted Average  
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)  
The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)  
PPE - Personal Protection Equipment  
NIOSH - National Institute for Occupational Safety and Health  
TDG (Transport of Dangerous Goods) Canada  
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)  
Reportable Quantity (RQ) (RQ/% in mixture)  
STEL - Short Term Exposure Limit  
TLV® - Threshold Limit Value  
Derived No Effect Level (DNEL)  
SVHC: Substances of Very High Concern for Authorization:  
Land transport (ADR/RID)  
Biochemical oxygen demand (BOD)  
Chemical oxygen demand (COD)  
ICAO (air)  
(IMDG) International Maritime Dangerous Goods  
Positive Pressure Self-Contained Breathing Apparatus (SCBA)  
Predicted No Effect Concentration (PNEC)  
Globally Harmonized System (GHS)

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet