



HUBER ENGINEERED MATERIALS

Safety Data Sheet

Optifil® T

This material safety datasheet has been prepared according to Brazilian legislation and ABNT NBR 14725:2014 GHS (Globally Harmonized System)

Issue Date 15/May/2024
Print Date 07/Jun/2024

Revision Number 1.4.1

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

1.1. Product identifier

Product Name: Optifil® T

Pure substance/mixture Mixture

Calcium Carbonate

CAS Number 471-34-1

Weight-% 98.5 - 99.5

Stearic Acid

CAS Number 57-11-4

Weight-% 0.5 - 1.5

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: J.M. Huber Corporation
3100 Cumberland Boulevard, Suite 600
Atlanta, GA 30339 USA
Tel: +1 678 247-7300

Internet www.hubermaterials.com

Contact E-Mail hubermaterials@huber.com

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

SECTION 2: Hazards identification

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Brazil Ministry of Transport This product is not part of the Hazardous Products Classification established by the Brazilian Federal Department of Transportation's Administrative Ruling 204 from 5/20/1997.

2.1. Classification of the substance or mixture

Physical Hazards Not classified

Health Hazards Not classified

Environmental Hazard Not classified

2.2. Label elements

Symbols/Pictograms None.

Signal Word None.

Hazard Statements None

Precautionary Statements

Prevention Employ good industrial hygiene practice
Do not handle until all safety precautions have been read and understood
Do not breathe dust
Wear protective gloves/protective clothing/eye protection/face protection

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN: Wash with plenty of soap and water

Storage Store away from incompatible materials
Keep in a dry place

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

Mixture

Chemical Name	CAS Number	TSCA: United States	EU REACH registration number	GHS Classification	Weight-%
Calcium Carbonate	471-34-1	A	Exempt	Not classified.	98.5 - 99.5
Stearic Acid	57-11-4	A	Exempt	Not classified.	0.5 - 1.5

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Additional information

TSCA A: Component is listed on Inventory as Active

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.

Eye Contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact

Wash with plenty of soap and water.

Ingestion

Rinse mouth thoroughly with water.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Aspiration hazard

Not an expected route of exposure.

4.2. Most important symptoms and effects, both acute and delayed

Signs and symptoms may include coughing, gasping, choking and difficulty breathing.

4.3. Indication of any immediate medical attention and special treatment needed

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 (CO₂).

Unsuitable Extinguishing Media

None known.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

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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, protective equipment and emergency procedures

Ensure adequate ventilation
Use personal protection recommended in Section 8
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

Avoid exposure - obtain special instructions before use
Do not handle until all safety precautions have been read and understood.
Minimize dust generation and accumulation
Do not breathe dust
Ensure adequate ventilation
Wear appropriate personal protective clothing to prevent skin contact
Handle in accordance with good industrial hygiene and safety practice

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters**Occupational exposure limits**

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Calcium Carbonate - 471-34-1

OSHA

ACGIH

10 mg/m³3 mg/m³ Respirable10 mg/m³ Total Dust

PNEC (Predicted No Effect Concentration) No information available

Biological Limit Values None

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)

Personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear suitable protective clothing.

Hand Protection For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Respiratory Protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards None known.

Hygiene Measures 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.

Environmental Exposure Controls Dispose of in accordance with local regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Solid.

Color White

Odor Odorless

Odor Threshold No information available

pH: 8.0 - 10.2 5% Water suspension

Melting point / Freezing point Not applicable

Initial boiling point Not available

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Boiling Point	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Vapor Pressure	Not applicable
Relative Density	2.7 g/cm ³ @ 20°C
Water Solubility	0.01 g/l (Practically insoluble) @ 20°C
Partition coefficient	Not applicable
Autoignition Temperature	Not applicable
Decomposition Temperature	1292 - 1652 °F (700 - 900 °C)
Viscosity	Not applicable
Explosive Properties	Not applicable
Oxidizing Properties	Not applicable
VOC Content (%)	Not applicable
Solubility in other solvents	No information available

9.2. Other information

SECTION 10: Stability and reactivity

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

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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

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

11.1. Information on toxicological effects

Calcium Carbonate - 471-34-1

Oral LD50 6450 mg/kg (rat)

Stearic Acid - 57-11-4

Oral LD50 4600 mg/kg (rat)

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

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Single exposure

Specific target organ toxicity - Repeated exposure Based on available data, the classification criteria are not met.

Mixture versus substance information No information available.

SECTION 12: Ecological information

12.1. Ecotoxicity Not considered to be harmful to aquatic life. Avoid release to the environment.

Calcium Carbonate - 471-34-1

WGK Classification (AwSV) 317 WGK: nwg

Stearic Acid - 57-11-4

WGK Classification (AwSV) 661: 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

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste codes Waste codes should be assigned by the user based on the application for which the product was used

Disposal Methods Disposal should be in accordance with applicable regional, national and local laws

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and regulations

SECTION 14: Transport information

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

ADR Not regulated

RID Not regulated

ADN Not regulated

IATA Not regulated

IMDG/IMO Not regulated

ICAO Not regulated

14.1. UN number None

14.2. UN proper shipping name None

14.3. Transport hazard class(es) None

14.4. Packing group None

14.5. Environmental hazards No

14.6. Special precautions for user 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

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global Inventories

Chemical Name	CAS Number	EC No	EU REACH registration number	Australia (AIIIC)	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
Stearic Acid	57-11-4	-	Exempt	Y	Y	Y	(2)-609	KE-26333	Y	Y	Y	Y	A

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

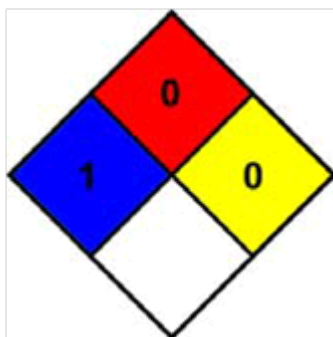
Information on risks and safety as written on the label

Health - Blue

Flammability - Red

Physical Hazard - Yellow

Special - White



- 4- Extreme
- 3- High
- 2- Moderate
- 1- Low
- 0- Minimum

SECTION 16: Other information

Prepared by Huber Engineered Materials (HEM) Global Regulatory Affairs
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Reason for Version Brasil: ABNT NRB 14725-4: 2014.

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

Abbreviations and acronyms

- IARC (International Agency for Research on Cancer)
- IATA (International Air Transport Association)
- IMDG (International Maritime Dangerous Goods)
- IUCLID (International Uniform Chemical Information Database)
- WHMIS (Workplace Hazardous Materials Information System)
- DOT (Department of Transportation)
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- TWA (Time-Weighted Average)
- CLP (The Classification, Labeling and Packaging of Substances and Mixtures Regulation (EC 1272/2008))
- PPE (Personal Protection Equipment)
- NIOSH (National Institute for Occupational Safety and Health)
- TDG (Transport of Dangerous Goods) Canada

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CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)
RQ (Reportable Quantity) (RQ/% in mixture)
STEL (Short Term Exposure Limit)
TLV® (Threshold Limit Value)
DNEL (Derived No Effect Level)
SVHC (Substances of Very High Concern)
BOD (Biochemical oxygen demand)
COD (Chemical oxygen demand)
ICAO (International Civil Aviation Organization)
IMDG (International Maritime Dangerous Goods)
SCBA (Self-Contained Breathing Apparatus) Positive Pressure
PNEC (Predicted No Effect Concentration)
GHS (Globally Harmonized System)
TSCA (Toxic Substances Control Act)

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