



Safety Data Sheet

HUBER ENGINEERED MATERIALS

HuberCal® 500 FOOD GRADE

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)

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

1.1. Product identifier

Product Name: HuberCal® 500 FOOD GRADE

Calcium Carbonate

CAS Number 471-34-1
Weight-% 100

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

Recommended Use Food additive. Dietary Supplement.

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

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

Internet www.hubermaterials.com

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

2.1. Classification of the substance or mixture

Physical Hazards Not classified

Health Hazards Not classified

Environmental Hazard Not classified

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2.2. Label elements

| | |
|---------------------------|------|
| Symbols/Pictograms | None |
| Signal Word | None |
| Hazard Statements | None |

Precautionary Statements

| | |
|-------------------|--|
| Prevention | Do not handle until all safety precautions have been read and understood. Employ good industrial hygiene practice Do not breathe dust Wear protective gloves/protective clothing/eye protection/face protection |
| Response | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing 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 If swallowed, rinse mouth with water (only if the person is conscious) Drink plenty of water |
| Storage | Store away from incompatible materials Keep in a dry place |
| Disposal | Dispose of contents/containers in accordance with local regulations |

Hazards not otherwise classified (HNOC) None known.

SECTION 3: Composition/information on ingredients

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

Legend

X / Y: Complies - / N: Not Listed Exempt , ,

SECTION 4: First aid measures

4.1. Description of first aid measures

General Advice Do not handle until all safety precautions have been read and understood. Employ good industrial hygiene practice. Wear suitable protective clothing, gloves and eye/face protection. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. When in doubt or if

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| | |
|--|--|
| | symptoms are observed, get medical advice. |
| Eye Contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Skin Contact | Wash with plenty of soap and water. |
| Ingestion | Rinse mouth thoroughly with water. |
| Inhalation | Do not breathe dust. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| 4.2. Most important symptoms and effects, both acute and delayed | May cause irritation to mucous membranes and respiratory tract. Contact with dust can cause mechanical irritation or drying of the skin. |
| 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

Special protective equipment for firefighters

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

Fire-fighting measures

Water mist may be used to cool closed containers. No special fire protection measures are necessary. Standard procedure for chemical fires.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**
 - Keep unauthorized personnel away. Avoid dust formation. Ensure adequate ventilation. Use personal protection recommended in Section 8.
 - 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

Calcium Carbonate

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

Biological Limit Values: No information available

8.2. Exposure controls**Engineering Measures**

Provide a good standard of controlled ventilation (5 to 10 air changes per hour). Use exhaust ventilation to keep airborne concentrations below exposure limits. In case of insufficient ventilation, wear suitable respiratory equipment.

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 inadequate ventilation wear respiratory protection.

Thermal hazards

None known. Wear suitable protective clothing.

Hygiene Measures

No information available.

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**Appearance:**

| | |
|-------------------------------------|--------------------------------|
| Physical State | Solid Powder |
| Color | White to off-white |
| Odor | Odorless |
| Odor Threshold | No information available |
| pH: | 8.4-10.2 (5% water suspension) |
| Freezing Point | Not applicable |
| Flash Point: | Non-combustible. |
| Evaporation Rate | Not applicable. |
| Flammability (solid, gas) | Not applicable |
| Upper flammability limit: | Not applicable |
| Lower flammability limit: | Not applicable |
| Vapor Pressure | Not applicable |
| Vapor Density | Not applicable |
| Density | 2.7 g/cm ³ @ 20°C |
| Relative Density | No information available |
| Water Solubility | 1.3 g/l, 20° C |
| Solubility in other solvents | No information available |
| Partition coefficient | No information available |
| Autoignition Temperature | Not applicable |
| Decomposition Temperature | 1292 - 1652 °F (700 - 900 °C) |

SECTION 10: Stability and reactivity

| | |
|---|---------------------------------------|
| 10.1. Reactivity | Stable under normal conditions |
| 10.2. Chemical stability | Stable under normal conditions |
| 10.3. Possibility of hazardous reactions | No specific hazard known |
| 10.4. Conditions to avoid | Incompatible materials Dust formation |
| 10.5. Incompatible materials | Strong acids |
| 10.6. Hazardous decomposition products | 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

| | |
|--------------------------|--|
| Inhalation | Do not breathe dust Inhalation of dust in high concentration may cause irritation of respiratory system |
| Skin | Contact with dust can cause mechanical irritation or drying of the skin |
| 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. |

11.1. Information on toxicological effects**Calcium Carbonate**
Oral LD50

6450 mg/kg (rat)

| | |
|----------------------------------|--|
| Acute Toxicity | Not classified |
| Respiratory Sensitization | Based on available data, the classification criteria are not met |
| Serious eye damage/eye | Based on available data, the classification criteria are not met |

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irritation

| | |
|---|--|
| Skin Corrosion/Irritation | Based on available data, the classification criteria are not met |
| Skin Sensitization | Based on available data, the classification criteria are not met |
| 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 - Single exposure | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity - Repeated exposure | 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 (VwVwS) 317 WGK: nwg

12.2. Persistence and degradability No data available.

12.3. Bioaccumulative potential No data available.

Partition coefficient No information available

Bioconcentration factor (BCF) No data available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment No data available.

12.6. Other adverse effects No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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|-------------------------------|--|
| Disposal Methods | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Product residue may remain in empty containers. 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 |

Calcium Carbonate

WGK Classification (VwVwS) 317 WGK: nwg

SECTION 14: Transport information

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

| | |
|--------------------|---------------|
| TDG -Canada | Not regulated |
| DOT | 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

Global Inventories

| 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 | 471-34-1 | 207-439-9 | Exempt | Y | Y | Y | Y | KE-04487 | Y | Y | Y | Y | Y |

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| Carbonate | | | | | | | | | | | | | |
|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|

Legend

X / Y: Complies - / N: Not Listed Exempt

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:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR

SECTION 16: Other information

Prepared by

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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.

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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