



HUBER ENGINEERED MATERIALS

According to (EC) No 1907/2006 (REACH)  
(EU) No 453/2010

## HUBERCAL® OSP1000 FG

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

<b>Product name</b>	HUBERCAL® OSP1000 FG
<b>Product use</b>	calcium fortifier
<b>Specific End Uses</b>	oral dose tablets
<b>Company</b>	J.M. Huber Micropowders Inc. 700 Kiernan Avenue Modesto, CA 95356 Tel: 209-549-9771 Fax: 209-549-9784
<b>Emergency Telephone</b>	CHEMTREC: 1 800 424 9300 or International +1 703 527 3887  EU Phone: +358 207 913 500 (J.M. Huber Finland Oy)
<b>Internet</b>	<a href="http://www.hubermaterials.com">www.hubermaterials.com</a>
<b>Email</b>	<a href="mailto:cheryl.vandyne@cpkelco.com">cheryl.vandyne@cpkelco.com</a>

### 2. HAZARDS IDENTIFICATION

<b>CLASSIFICATION:</b>	EC 1272/2008: Not Classified EC 67/548: Not Classified
<b>Signal Word(s)</b>	None
<b>Label Element(s):</b>	None
<b>Other Hazards:</b>	Wet material on walking surfaces is hazardous. Avoid dust formation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT(S)	EC / REACH	EU CLP Classification	%W/W
Limestone CAS: 1317-65-3	215-279-6 Exempt*	Not classified	100

#### Limestone - CAS: 1317-65-3

Regulation (EC) 1907/2006: REACH  
Exempt as a naturally occurring substance.  
Exempt. Food ingredient

### 4. FIRST AID MEASURES

<b>General Advice</b>	In case of doubt or when symptoms persist, seek medical attention.
<b>Eye contact</b>	Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.
<b>Inhalation</b>	Remove person to fresh air.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None.
<b>Unusual fire &amp; explosion hazards</b>	None.
<b>Protective measures</b>	Use protective equipment that is appropriate for surrounding materials.
<b>Special Protective Equipment for Firefighters</b>	If necessary, wear self contained breathing apparatus (SCBA) for fire fighting.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid dust formation. When exposed to high concentrations of airborne dust, wear a SCBA in accordance with national legislation.
<b>Environmental precautions</b>	This product presents no particular risk to the environment. Refer to national and local regulations in force prior to discharge into the sewer.
<b>Cleanup methods</b>	Pick up mechanically and / or by rinsing with water. Avoid dry sweeping and use a sprinkler system or exhaust ventilation to prevent dust formation.
<b>Other Information</b>	Personal protection equipment (PPE) - Refer to Section 8. Disposal - Refer to Section 13.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Storage</b>	Store in a dry area. Keep containers closed and protect from physical damage.
<b>Other precautions</b>	Refer to Section 10 for conditions to avoid.
<b>Specific End Uses</b>	oral dose tablets

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Controls

**Engineering Controls:** Use mechanical ventilation (dilution and local exhaust) to control exposure.

### Personal Protective Equipment

**Eye Protection** Safety glasses with side shields.

**Hand Protection:** Impervious gloves: chemical resistant.  
EN 420

**Skin and Body Protection:** Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure.

**Respiratory Protection:** In case of exposure to high levels of airborne dust, wear a respirator  
EN 149, P2 half masks

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

**Environmental Exposure:** This product does not present any particular risk for the environment.  
Check the appropriate national and local regulations before the product is washed into the sewer.

## Control Parameters

### Exposure Limit Values:

#### Limestone - CAS: 1317-65-3

OSHA - TWA	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
NIOSH - Target Organs	skin respiratory system eyes
NIOSH - TWAs	10 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>
Belgium - OEL - TWA	10 mg/m <sup>3</sup>
Belgium-VLEP/GWBB - TWA	10 mg/m <sup>3</sup>
Greece - Occupational Exposure Limits - TWAs	10 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>
Greece - OEL - TWA	5 mg/m <sup>3</sup> TWA (respirable fraction) 10 mg/m <sup>3</sup> TWA (inhalable fraction)
Hungary - Occupational Exposure Limits - TWAs	10 mg/m <sup>3</sup>
Ireland - OEL - TWA	10 mg/m <sup>3</sup> 4 mg/m <sup>3</sup>
Ireland - OEL - TWA	4 mg/m <sup>3</sup> TWA (respirable dust) 10 mg/m <sup>3</sup> TWA (total inhalable dust)
Slovak Republic - OEL - TWA	10 mg/m <sup>3</sup>
Spain -OEL - TWA	10 mg/m <sup>3</sup>
Switzerland - TWA	3 mg/m <sup>3</sup>
United Kingdom - WEL - TWA	10 mg/m <sup>3</sup> 4 mg/m <sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Powder
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available
<b>pH:</b>	8.4 - 10.2, (5% water suspension)
<b>Freeze Point</b>	Not applicable
<b>Flash point</b>	Non-combustible
<b>Evaporation Rate</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Density</b>	2,7 g/cm <sup>3</sup> , 20°C
<b>Water Solubility</b>	1,3 g/l @ 20° C
<b>Autoignition Temperature</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	None
<b>Stability</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	None
<b>Materials to avoid (Incompatible Materials)</b>	Strong Acids
<b>Hazardous decomposition products</b>	None

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Data Sources</b>	Data from the scientific literature on components are summarized below.
<b>Acute toxicity</b>	Not available.
<b>Chronic toxicity</b>	No evidence of mutagenic, reproductive or carcinogenic effects.
<b>Carcinogenicity:</b>	This product is not listed as a carcinogen by the IARC/CIRC, NTP or OSHA.
<b><u>Limestone - CAS: 1317-65-3</u></b> LD50 Oral	6450 mg/kg (rat)
<b>Potential Health Effects</b> <b>Sensitization</b>	Does not cause sensitization.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** This product is not expected to be toxic to aquatic life.

**Limestone - CAS: 1317-65-3**

Germany - Water  
Classification (VwVwS) -  
Annex 1 317 : 0

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL CONSIDERATIONS:** Dispose in accordance with local, state and national regulations.

**Limestone - CAS: 1317-65-3**

**European Waste Catalogue (EWC):**  
10130414

## 14. TRANSPORT INFORMATION

**UN-No** None.

**Proper Shipping Name** Refer to Sections 1 and 3 for product name and chemical name(s)

**IMO / IMDG** Not a dangerous substance.

**ICAO / IATA** Not a dangerous substance.

**RID/ADR** Not a dangerous substance.

**D.O.T. Hazard Classification** Non-hazardous material.

**General Information** The data provided in this section is for information only.  
Please apply the appropriate regulations to properly classify your shipment for transportation.

**Other information** Environmental hazards: None known  
  
Special precautions for user: Refer to Sections 2, 7, 8, 9, 10

## 15. REGULATORY INFORMATION

Health Safety and Environmental regulations / legislation for the substance or mixture

Component(s) of the product are on the following Inventory lists:

COMPONENT(S)	EC / REACH	Australia (AICS)	Canada	China (IECSC)	Japan	Korea (KECL)	New Zealand (NZIoC)	Philippines (PICCS)	USA (TSCA)	Taiwan (ECN)
Limestone CAS: 1317-65-3	215-279-6 Exempt*	Present	Present (NDSL)*	Present		KE-21996	Present	Present	Present	Nominated

Legend

PRESENT : Listed

- : Not Listed

Exempt

Nominated

Limestone - CAS: 1317-65-3

Regulation (EC) 1907/2006: REACH

Exempt as a naturally occurring substance.

Exempt. Food ingredient

**Regulatory and Compendial Status:**

Please refer to the product dossier for regulatory and compendial status of this product

## 16. OTHER INFORMATION

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### Acronym / Abbreviation

ACRONYMS:  
INTERNATIONAL:  
ADR: International Carriage of Dangerous Goods by Road  
BOD: Biochemical Oxygen Demand  
CLP: Classification, Labeling and Packaging  
COD: Chemical Oxygen Demand  
D.O.T.: U.S. Department of Transportation  
ICAO International Civil Aviation Organization  
IATA: International Air Transport Association (IATA)  
IMO::International Maritime Organization.  
MDG::International Maritime Dangerous Goods  
OES: Occupational Exposure Standard  
OR: EU REACH Only Representative  
PPE: Personal protection equipment  
RID: International Carriage by Rail  
SCBA: self contained breathing apparatus  
TLV-STEL: Threshold Limit Values - Short Term Exposure Limits  
TWA: Time Weighted Averages

North America:  
CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity  
CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CONEG: Conference of North Eastern Governors  
NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health Administration  
SARA: Superfund Amendments and Reauthorization Act (US EPA)  
TDG: Canada Transport of Dangerous Goods  
WHMIS: Canada's Workplace Hazardous Materials Information System

### Training Advice

Personnel handling the substance(s) named in this Safety Data Sheet should be skilled and trained in areas associated with the key points named herein.

Personnel should have training and access to appropriate PPE for handling this product.

Personnel handling the substance(s) named in this Safety Data Sheet are responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the substance(s) intended purpose.

If additional information is required, please contact the supplier or an expert.

### Sources of key data

Literature data and/or investigative reports are available through the manufacturer.

**Reason for version**

Regulation (EC) 1907/2006: REACH  
(EU) No 453/2010

**Disclaimer:** The information contained in this Safety Data Sheet to the best of JM Huber's knowledge and belief as of the date indicated is believed to be accurate and reliable. However, no representation, warranty or guarantee is implied or expressed regarding the accuracy, reliability or completeness of this information or the use of the product. Nothing contained herein should be construed as a recommendation to use this product in conflict with National or local regulations or existing patents covering any material or its use. In case of dispute, the English text governs.

**END OF SAFETY DATA SHEET**