



MATERIAL SAFETY DATA SHEET

A FAMILY OF SOLUTIONS

HUBERCAL® CCG4100 USP

REVISION NUMBER: 0.3

REVISION DATE: 13/Jul/2005

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

PRODUCT NAME: HUBERCAL® CCG4100 USP
MANUFACTURER: J.M. Huber Micropowders Inc.
700 Kiernan Avenue
Modesto, CA 95356
Tel: 209-549-9771
EMERGENCY TELEPHONE: CHEMTREC: 800-424-9300 or 703-527-3887 International
INTERNET: www.hubermaterials.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This is a non-combustible, odorless, gray powder.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Dust may cause mechanical irritation to eyes.

INHALATION: Causes respiratory tract irritation if inhaled.

CARCINOGENICITY: This product is not listed as a carcinogen by the IARC, NTP or OSHA.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT(S)	CAS NUMBER	%W/W
Limestone	1317-65-3	94.3
Maltodextrin	9050-36-6	5
Water	7732-18-5	0.7

4. FIRST AID MEASURES

EYE CONTACT: Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.

INHALATION: Remove person to fresh air.

GENERAL ADVICE: In case of doubt or when symptoms persist, seek medical attention.

5. FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA: Non-combustible. All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.

UNSAFE EXTINGUISHING MEDIA None.

SPECIAL EXPOSURE HAZARDS: None.

SPECIAL PROTECTIVE EQUIPMENT: Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid dust formation. In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.

ENVIRONMENTAL PRECAUTIONS: This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain.

CLEAN UP METHODS: Collect mechanically and or by flushing with water. Avoid dry sweeping. Use water spraying or ventilated vacuum system to prevent dust formation.

7. HANDLING AND STORAGE

HANDLING: Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

STORAGE: Store in a dry area. Keep containers closed and protect from physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

COMPONENT(S)	OSHA-TWA	ACGIH TLV-TWA
Limestone	10 mg/m ³	
Respirable dust	5 mg/m ³	3 mg/m ³
Total dust	15 mg/m ³	10 mg/m ³

ENGINEERING CONTROLS: Use mechanical ventilation (dilution and local exhaust) to control exposure.

EYE PROTECTION: Safety glasses with side shields.

SKIN AND BODY PROTECTION: Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential.

HAND PROTECTION: Impervious gloves chemical resistant.

RESPIRATORY PROTECTION: In case of exposure to high levels of airborne dust, wear a respirator in compliance with national legislation.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL CHEMICAL PROPERTIES

APPEARANCE: Powder

pH: 8.4-10.2, 5% water suspension

DENSITY: 2.7 g/cm³, 20° C

ODOR: Odourless.

FLASH POINT: Non-combustible.

WATER SOLUBILITY: 1.3 mg/l, 20° C

10. STABILITY AND REACTIVITY

STABILITY: Stable under ambient temperature (21°C) and pressure (760 mm Hg).

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: Strong Acids

HAZARDOUS DECOMPOSITION PRODUCTS: None

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: No information available.

SENSITIZATION: Does not cause sensitization.

CHRONIC TOXICITY: No evidence of mutagenic, reproductive or carcinogenic effects.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No information available.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT: Not Regulated

15. REGULATORY INFORMATION

NFPA:

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

HMIS:

HEALTH: 1

FLAMMABILITY: 0

PHYSICAL HAZARD: 0

HARMONIZED TARIFF CODE: 2836 5000

AUSTRALIA AICS: Listed

CANADA DSL / NDSL: Listed

CHINA IECSC: Listed

EUROPE EINECS: Listed

KOREA KECI: Listed

PHILIPPINES PICCS: Listed

HUBERCAL® CCG4100 USP

US TSCA: Listed

SARA 311 / 312 HAZARD: None

SARA 313 SUBSTANCES: None

CERCLA RQ: None

CLEAN AIR ACT: The components of this product are not regulated under any of the following sections of the Clean Air Act: Section 111 Volatile Organic Compounds, Section 112 Hazardous Air Pollutants, Section 112 Statutory Air Pollutants, Section 112 High-Risk Pollutants, Section 112(r) Accidental Release Prevention Substances or Section 602 Ozone Depleting Substance. As a powder product, it would be regulated under Section 109 Criteria Pollutants particulates.

PROPOSITION 65: This product contains no chemicals at levels known to the State of California to cause cancer or reproductive hazards.

CONEG: We certify that heavy metals defined as lead, mercury, cadmium and hexavalent chromium are not intentionally introduced to this product and with respect to lead, mercury, cadmium and hexavalent chromium, the incidental level of these four metals is less than 100 ppm.

16. OTHER INFORMATION

The information contained in this Safety Data Sheet to the best of J.M. 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.

END OF MATERIAL SAFETY DATA SHEET