


	Material Safety Data Sheet OMYACARB 100 - LU / TITAN 200 - LU	5-msds USLU_M02 version: 3 page: 1 / 3 valid: 4/20/2007
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SECTION 1 – PRODUCT INFORMATION**Product:** Calcium Carbonate (Limestone)**Product Uses:** Mineral filler and pigment**Chemical Formula:** Primarily CaCO₃**Trade Names:** OMYACARB® 100 - LU TITAN® 200 - LU**Producer:** Omya California Inc.**Address:** 7299 Crystal Creek Road, Lucerne Valley, California, USA 92356**Telephone:** (760) 248-5200**Emergency:** (800) 424-9300 (CHEMTREC)**SECTION 2 – HAZARDOUS INGREDIENTS**

Ingredients:	Wt. % (typical):	CAS #:	Exposure Limits (TWA) mg/m³:
Limestone	> 99	1317-65-3	ACGIH: Inhalable dust, 10 [for PNOS] Respirable dust, 3 [for PNOS] OSHA PEL: Total dust, 15 Respirable dust, 5
Silica, quartz (<i>naturally-occurring component of limestone</i>)	< 1	14808-60-7	ACGIH TLV: Respirable dust, 0.025 OSHA PEL: Total dust, 30 / % silica +2 Respirable dust, 10 / % silica +2

SECTION 3 – PHYSICAL DATA**Appearance and Odor:** White powder; no odor.**Density:** 2.7 g/ml**Solubility in Water:** 1.3 mg/100 g @ 18°C**SECTION 4 – FIRE AND EXPLOSION HAZARD****Flash Point:** Non-flammable.**Special Fire Fighting Procedures:** None.**Unusual Fire and Explosion Hazards:** None.**SECTION 5 – REACTIVITY DATA****Stability:** Stable.**Reactivity in Water:** None.**Hazardous Polymerization:** Will not occur.**Hazardous Decomposition Products:** Thermal decomposition of limestone beginning at 550°C (1022°F) can produce calcium oxide and carbon dioxide. Heating of this product above 244°C (471°F) may cause volatilization and/or thermal decomposition of processing aids, resulting in the gaseous release of trace amounts of organic compounds.**Incompatibility (Material to Avoid):** Reacts with acids to liberate carbon dioxide. Ignites on contact with fluorine. Also incompatible with alum and ammonium salts.

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SECTION 6 – TOXICOLOGICAL PROPERTIES

EFFECTS AND HAZARDS OF ACUTE EXPOSURE:

- Inhalation:** Dust may irritate the respiratory tract. Symptoms include sneezing and slight nose irritation.
- Eye Contact:** Irritation. Symptoms include watering and irritation.
- Skin Contact:** Repeated or prolonged exposure may have a drying effect on the skin, and may also cause irritation.
- Ingestion:** Ingestion of very large quantities may result in intestinal obstruction and/or constipation.

EFFECTS AND HAZARDS OF CHRONIC EXPOSURE:

Chronic exposure to limestone dust at concentrations exceeding occupational exposure limits may cause pneumoconiosis (lung disease). This product contains crystalline silica (quartz) as an impurity. Chronic exposure to crystalline silica dust at concentrations exceeding occupational exposure limits may cause silicosis. The NTP's Ninth Report on Carcinogens lists crystalline silica (respirable size) as a known human carcinogen. IARC concluded that there is sufficient evidence in humans for the carcinogenicity of inhaled (respirable) crystalline silica.

SECTION 7 – PREVENTIVE MEASURES


Handling: Administrative and/or engineering control methods such as, but not limited to, process enclosure and exhaust ventilation may be necessary to control exposures to dust and/or gaseous organic compounds released at elevated temperatures. Supply sufficient replacement air to make up for air removed by exhaust systems. If engineering controls and work practices are not effective in controlling exposures, appropriate personal protective equipment including a NIOSH/OSHA approved respirator should be worn. When repeated or prolonged contact with hands is likely, appropriate gloves should be used. Appropriate eye protection should be worn. Selection of all personal protective equipment should be performed by an Industrial Hygienist or other qualified professional.

Hazardous Materials Identification System	Category	Rating
(National Paint & Coatings Association)	Health	1*
	Flammability	0
	Physical Hazard	0

- Storage:** Store in closed containers in a dry place separate from incompatible materials.
- Spills/Leaks:** Measures should be taken to minimize and protect against airborne dust during cleanup operations, including use of respiratory protective equipment if necessary.
- Disposal:** From a waste perspective, this product is not considered hazardous and may be disposed of as solid waste in accordance with applicable federal, state, provincial, and local regulations.

SECTION 8 – FIRST AID MEASURES

- Inhalation:** Remove to fresh air. Obtain medical advice if required.
- Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 10 minutes holding the eyelid(s) open. If irritation persists, obtain medical advice immediately.
- Skin Contact:** Wash with warm water and mild soap. If irritation occurs, obtain medical advice immediately.
- Ingestion:** Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Rinse mouth thoroughly with water. Do not induce vomiting. Drink 8 to 10 ounces (240 to 300 ml) of water to dilute material in stomach. Obtain medical advice immediately.

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SECTION 9 – REGULATORY INFORMATION

- TSCA:** This product primarily is natural calcium carbonate from limestone ore which is listed on the U.S. EPA TSCA inventory under Limestone, CAS# 1317-65-3. In addition, all other ingredients and/or processing aids also are on the TSCA inventory.
- DSL:** By virtue of its status as a "substance occurring in nature", ground limestone is considered to be on the Canadian Domestic Substances List. In addition, all other ingredients and/or processing aids also are on the DSL.
- CONEG:** Being derived from limestone ore, this product may contain incidental trace levels of naturally occurring metals. However, no metals are intentionally added and this product complies with the CONEG requirement of <100 ppm of Cd, Cr⁶⁺, Pb, and Hg.
- ODCs:** This product does not contain, nor is it produced with, any U.S. EPA-defined Class I or Class II ozone-depleting chemicals.
- FDA:** This product may be used as an indirect food additive in food packaging applications under 21 CFR (FDA) 174.5, 175.300, and 178.3297. It does not qualify as a substance permitted for direct addition to human food or animal feed.

SECTION 10 – PREPARATION INFORMATION**Prepared by Technical Support Group**

The information contained herein has been compiled by Omya from sources it considers reliable, and is accurate to the best of Omya's knowledge. Before using the product identified hereon, the foregoing MSDS and the product label should be read carefully. The information contained herein relates only to the product identified hereon, and does not relate to its use in combination with any other material or in any process. Customers are encouraged to conduct their own tests concerning the use of the product identified hereon as each customer's manner and conditions of use and handling may involve additional considerations. Omya assumes and shall incur no liability for any damages, losses, injuries, costs, or consequential damages that may result from the use or misuse of the product identified hereon, and the recipient assumes all of such liability.