



IMERYS

SAFETY DATA SHEET

Grolleg™ Lump

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name Grolleg™ Lump
Chemical name Kaolin
CAS number 1332-58-7

Details of the supplier of the safety data sheet

Supplier Imerys Clays, Inc.
100 Mansell Court East, Suite 300
Roswell, Georgia 30076 USA
(770) 645-3300

Manufacturer IMERYS Minerals Ltd
Par Moor Centre
Par Moor Road
Par, Cornwall
England
PL24 2SQ
+44(0) 1726 818000
SDS.expert@imerys.com

Emergency telephone number

Emergency telephone 1 (800) 424 9300 CHEMTREC
International Number 1 (703) 741 5970

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified
Health hazards Carc. 1A - H350
Environmental hazards Not Classified

Label elements

Hazard symbols



Signal word Danger
Hazard statements H350 May cause cancer.

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Precautionary statements	<p>May cause damage to lungs through prolonged or repeated exposure via inhalation. Do not breathe dust. In case of inadequate ventilation, wear respiratory protection. Dispose of contents/containers in accordance with local regulations. Long term exposure can cause lung injury (silicosis). IARC and NTP have determined that crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.</p>
Supplemental label information	Review the Safety Data Sheet for additional safety, health, environmental, transportation and classification information as it relates to this specific product and it's ingredients.
Contains	Kaolin (Hydrous), Crystalline Silica (Quartz)

3. Composition/information on ingredients

Mixtures

Kaolin (Hydrous) CAS number: 1332-58-7	90-100%
Classification Not Classified	
Crystalline Silica (Quartz) CAS number: 14808-60-7	0.1 - 2.0%
Classification Carc. 1A - H350	

The full text for all hazard statements is displayed in Section 16.

Composition comments	<p>Product is a UVCB substance (Unknown or Variable Composition, complex reaction products or Biological materials). Product contains crystalline silica, a naturally occurring impurity. Refer to Section 11 for additional hazard information. Processing may generate respirable dust. Appropriate protective equipment as stated in Section 8 should be used.</p>
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4. First-aid measures

Description of first aid measures

Inhalation	Remove to fresh air, seek medical attention if necessary.
Ingestion	If ingested, give plenty of water and provide medical attention. Do not induce vomiting and never give water to an unconscious person.
Skin Contact	Wash with soap and water.
Eye contact	Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is non-combustible.

Special hazards arising from the substance or mixture

Hazardous combustion products None known.

Advice for firefighters

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use proper respiratory and person protective equipment. MSHA/NIOSH or OSHA/NIOSH respirator should be used if required to control personnel exposure to allowable levels. Spilled materials (both wet and dry) may cause slippery conditions. Care should be exercised when walking on spills or floors or concrete pads. Avoid inhalation of dust.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Flush spilled material into an effluent treatment plant, or proceed as follows. Vacuum, pump or scoop spilled materials into containers for reclaim or disposal. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Reference to other sections See Section 11 for additional information on health hazards.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid generation and spreading of dust. Avoid inhalation of dust.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool, dry location is recommended. Spilled materials (both wet and dry) may cause slippery conditions. Care should be exercised when walking on spills or floors or concrete pads.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

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On March 25, 2016, OSHA published a final "Respirable Crystalline Silica" rule in the Federal Register. The rule became effective on June 23, 2016 and includes a new general industry PEL of 0.050 mg/m³ as well as other program elements required as part of the 6(b) rule. General industry requirements are specified in 29 CFR 1910.1053.

Kaolin (Hydrous)

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ respirable fraction

A4

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Crystalline Silica (Quartz)

Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction

A2

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

A2 = Suspected Human Carcinogen.

Crystalline Silica (Quartz) (CAS: 14808-60-7)

Immediate danger to life and health 25 mg/m³ 50 mg/m³

Exposure controls

Appropriate engineering controls	Use exhaust ventilation, if required, to maintain dust concentration below regulatory limits.
Eye/face protection	Wear approved side shield safety glasses.
Hand protection	Use general purpose gloves as necessary to protect against drying of skin in case of prolonged usage. Follow good hygiene practices to include washing hands with soap and water.
Hygiene measures	Wash hands thoroughly after handling.
Respiratory protection	If respirator use is required, use of a NIOSH/MSHA approved respirator is recommended in compliance with applicable respiratory protection legislation.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Lump
Color	White. White/off-white.
Odor	Almost odorless.
pH	3 - 7
Melting point	Not determined.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Other flammability	Kaolin is not combustible.
Vapor pressure	Not applicable.
Vapor density	Not applicable.

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Relative density	2.6
Bulk density	0.5 - 0.8 g/cm ³
Solubility(ies)	< 1 mg/liter @ 20oC
Auto-ignition temperature	Not applicable.
Explosive under the influence of a flame	This product is not combustible or explosive.

10. Stability and reactivity

Reactivity	No specific reactivity hazards are associated with this product.
Stability	Stable under normal temperature conditions and recommended use.
Possibility of hazardous reactions	None known.
Materials to avoid	None known.
Hazardous decomposition products	None known.

11. Toxicological information

Information on toxicological effects

Toxicological effects This product is not toxic (oral, dermal, or inhalation).

Skin sensitization

Skin sensitization This product is not known to cause skin sensitization.

Carcinogenicity

Carcinogenicity This product contains crystalline silica (quartz), a naturally occurring impurity, in a concentration greater than 0.1% by weight. In the IARC Monograph on the Evaluation of Carcinogenic Risk to Humans, Volume 68 published in 1997, IARC concluded that "Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)." Based on the IARC conclusion, this ingredient is classified as a Category 1A Carcinogen - Danger - May Cause Cancer. In addition, the National Toxicology Program has also classified respirable crystalline silica as "Known to be a human carcinogen" in their Report on Carcinogens, Thirteenth Edition.

12. Ecological information

Ecotoxicity	The product is not expected to be hazardous to the environment.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC50, 96 hours:>1000 mg/l, Fish
Acute toxicity - aquatic invertebrates	LC50, 48 hours:>1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC50, 72 hours:>1000 mg/l, Algae
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	The product does not contain any substances expected to be bioaccumulating.
<u>Mobility in soil</u>	

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Mobility The product is insoluble in water.

13. Disposal considerations

Waste treatment methods

Disposal methods Disposal of waste material in accordance with all local, State, and federal requirements.

Waste class If the product becomes a waste material, under RCRA (40 CFR 261), as manufactured and shipped, it would be classified as a non-hazardous waste. This product should not be disposed of in waterways or sewers.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International) No information required.

UN proper shipping name

Proper shipping name (International) No information required.

Transport hazard class(es)

Transport Labels (International) Not regulated.

Packing group

Packing group (International) No information required.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

This product does not contain ingredients subject to the reporting requirement.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

No RQ Assigned

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

This product does not contain ingredients subject to the reporting requirement.

SARA 313 Emission Reporting

None of the ingredients in Section 3 are included in the SARA 313 Chemical List.

CAA Accidental Release Prevention

This product does not contain ingredients subject to the reporting requirement.

SARA (311/312) Hazard Categories

This product is subject to the reporting requirements of SARA 312 at a threshold quantity of 10,000 pounds. Acute / Delayed.

OSHA Highly Hazardous Chemicals

This product does not contain ingredients subject to the reporting requirement.

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US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins



WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Massachusetts "Right To Know" List

Present.

Rhode Island "Right To Know" List

Present.

Minnesota "Right To Know" List

Present.

New Jersey "Right To Know" List

Present.

Pennsylvania "Right To Know" List

Present.

Inventories

Canada - DSL/NDSL

DSL

US - TSCA

Present.
ACTIVE

US - TSCA 12(b) Export Notification

This product does not contain substances subject to export notification under TSCA 12(b).

Australia - AICS

Present.

Japan - ENCS

Present.

Korea - KECI

Present.

China - IECSC

Present.

Philippines - PICCS

Present.

New Zealand - NZIOC

Present.

Taiwan - TCSI

Present.

16. Other information

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Revision comments	Administrative changes.
Revision date	4/30/2021
SDS No.	5362
Hazard statements in full	H350 May cause cancer.
ACA HMIS Health rating.	1
ACA HMIS Flammability rating.	0
ACA HMIS Physical hazard rating.	0
ACA HMIS Personal protection rating.	E

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