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Safety Data Sheet

In compliance with 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Section 1. Identification

1.1 Product identifier:

1-K 4-K 100-K	C-500 C-1000 C-3000 C-4000	WG-160 WG-325	L-140-F Kaopolite 3000 Mica	ImerCare 3000M ImerCare 325M

1.2 Synonyms: mica, muscovite mica, potassium aluminium silicate

1.3 Identified uses: Functional mineral in paint, plastics

1.4 Supplier:

- Company Name: **Imerys Mica Kings Mountain, Inc.**
- Address : 1469 South Battleground Avenue
  Kings Mountain, NC 28086
  USA
- Telephone : 1-800-290-2443
- E-Mail address: msds.talcamericas@imerys.com

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1.5 Emergency telephone number:

Emergency telephone number: 1 (800) 424-9300 CHEMTREC
Available outside office hours: Yes

Section 2. Hazard Identification

2.1 GHS Classification:

Physical and Chemical Hazards: No classification.
Human Health: Quartz: STOT RE 1 – H372.
Environment: No classification.

2.2 Label Elements:

- GHS Pictogram

- Signal word: Danger
- Hazard statement: H372 Causes damage to lungs through prolonged or repeated exposure via inhalation
- Precautionary statements

P260 Do not breathe dust.
P285 In case of inadequate ventilation wear respiratory protection.

P 501 Dispose of contents/containers in accordance with local regulations.

Long term exposure to crystalline silica 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.

Section 3: Composition/Information on Ingredients

The above mentioned products are a natural association of mica, kaolin, feldspar and crystalline silica.

Chemical name	Mineral name	CAS No.	Content (%)	Classification
Potassium aluminium silicate	Mica	12001-26-2	>80	No
Aluminium silicate	Kaolin	1332-58-7	<10	No
Sodium Aluminium silicate	Feldspar	68476-25-5	<10	No
Silicon dioxide	Quartz	14808-60-7	<10	STOT RE 1 – H372

Section 4: First-aid Measures

Description of the first aid measures:

Inhalation: Remove to fresh air.

Ingestion: Drink plenty of water. Never give liquid to an unconscious person.

Eye contact: Immediately rinse with water for several minutes.

Skin contact: Wash skin thoroughly with soap and water.

Section 5: Fire-fighting Measures

5.1 Extinguishing media: No specific extinguishing media is needed.

5.2 Special hazards arising from the substance or mixture: Non-combustible. No hazardous thermal decomposition.

5.3. Advice for fire-fighters: No specific fire-fighting protection is required.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: Use proper respiratory and personal protective equipment. MSHA/NIOSH or OSHA/NIOSH approved respirator recommended. Spilled materials may cause slippery conditions when wet. Care should be exercised when walking on spills on floor or concrete pads.

6.2 Methods and material for containment and cleaning up: Vacuum, pump or scoop spilled material into containers for reclaiming or disposal. Do not discharge into drains, watercourses or onto the ground.

Section 7: Handling and Storage

7.1 Precautions for safe handing: Minimize dust generation and accumulation. If excessive dust is generated, provide adequate ventilation and use proper respiratory and personal protective equipment.

7.2 Conditions for safe storage: Store in a cool and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters: Follow workplace regulatory exposure limits for all types of airborne dusts (e.g. total dust, respirable dust, and respirable crystalline silica dust). In the U.S., the ACGIH OEL (Occupational Exposure Limit) for muscovite mica and crystalline silica measured as an 8-hour TWA (Time Weighted Average) are 3 mg/m3 and 0.025 mg/m3 respectively. The OSHA PEL for muscovite mica and crystalline silica are 3 mg/m3 and 0.1 mg/m3 respectively. For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

8.2 Appropriate engineering controls: Use exhaust ventilation, if required, to maintain dust concentration below recommended exposure limits.

8.3 Individual protection measures:

(a) Eye protection: Wear side shield safety glasses.

(b) Hand protection: Rubber gloves are recommended for prolonged exposure.

(c) Respiratory protection: If a respirator is required, use of a MSHA/NIOSH or OSHA/NIOSH approved respirator is recommended.

8.4 Environmental exposure controls: Avoid wind dispersal.

Section 9: Physical and Chemical Properties

9.1 Appearance: light grey powder

9.2 Odor: odorless

9.3 pH: 8.5–9.5 (10% slurry in water)

9.4 Melting point: >1300 °C, does not freeze

9.5 Flammability (solid, gas): Not flammable

9.6 Upper/lower flammability or explosive limits: Not explosive. Limits do not apply.

9.7 Relative density: 2.70–2.85 g/cm^3

9.8 Solubility (ies) :

Solubility in water: Negligible

Solubility in hydrofluoric acid: Yes

9.9 Decomposition temperature: >900 °C

9.10 Explosive properties: Not explosive

9.11 Oxidizing properties: Non-oxidizing

Section 10: Stability and Reactivity

10.1 Reactivity: Inert, not reactive

10.2 Chemical stability: Chemically stable

10.3 Possibility of hazardous reactions: No hazardous reaction

10.4 Conditions to avoid: None

10.5 Incompatible materials: None known

10.6 Hazardous decomposition products: None

Section 11: Toxicological Information

See Section 2 for discussion of the carcinogenic status of crystalline silica.

Section 12: Ecological Information

12.1 Ecotoxicity: No specific adverse effects known

12.2 Persistence and degradability: Not relevant

12.3 Bioaccumulative potential: Not relevant

12.4 Mobility in soil: Negligible

12.5 Other adverse effects: No specific adverse effects known

Section 13: Disposal Considerations

13.1 Waste disposal information: Where possible, recycling is preferable to disposal. Product should be disposed in compliance with local regulations.

13.2 Disposal of packaging: Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorized waste management company. Recycling and disposal of packaging should be carried out in compliance with local regulations.

Section 14: Transport Information

14.1 UN number: Not regulated

14.2 Transport hazard class(es):

ADR: No classification assigned
IMDG: No classification assigned
ICAO/IATA: No classification assigned
RID: No classification assigned
DOT: No classification assigned

14.3 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not regulated

Section 15: Regulatory Information

15.1 U.S. regulations:

SARA Title III Section 302 Extremely Hazardous Substances:

This product does not contain extremely hazardous substances subject to the reporting requirements of Section 302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 355.

SARA Title III Section 311 and 312 Health and Physical Hazard Categories per 40 CFR 370.2:

Immediate – yes; Delayed – yes; Fire – no; Pressure – no; Reactivity – no.

SARA Section 313 Notification:

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA:

This product is listed in Initial Inventory, Vol. 1, Appendix A, CAS No. 12001-26-2.

WARNING:

This product may also contain small amounts of one or more naturally-occurring materials known to the State of California to cause cancer, birth defects, or other reproductive harm.

15.2 International regulations:

Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL. It contains respirable quartz requiring workplace environmental monitoring.

Toxic Chemical Control Act: This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.

Dangerous Substance Management Law: This product does not contain chemical substances regulated under DSML.

Waste Management Law: Dispose of this product in accordance with the waste treatment standards prescribed in Waste Management Law.

15.3 Chemical safety assessment: Exempted from REACH Registration in accordance with Annex V.7.

Section 16: Other Information

16.1 Training: Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of these products as required under applicable regulations.

16.2 References and sources:

- Hessel, P.A., J.F. Gamble, J.B. Gee, et al.: Silica, silicosis, and lung cancer: a response to a recent working group report. J Occup Environ Med 42 (7):704-20 (2000).
- Soutar, C.A., A. Robertson, B.G. Miller, et al.: Epidemiological evidence on the carcinogenicity of silica: factors in scientific judgement. Ann Occup Hyg 44 (1):3-14 (2000).
- Pelucchi, C., E. Pira, G. Piolatto, et al.: Occupational silica exposure and lung cancer risk: a review of epidemiological studies 1996-2005. Ann Oncol 17(7):1039-50 (2006).
- Erren T.C., C.B. Glende, P. Morfeld, and C. Piekarski: Is exposure to silica associated with lung cancer in the absence of silicosis? A meta-analytical approach to an important public health question. Int Arch
- "Silica and Silica-Induced Lung Diseases", V.Castranova, V.Vallyathan & W.E. Wallace (eds.) 1996. CRC Press, pp 418
- "Scientific opinion on the health effects of airborne crystalline silica", A. Pilkington, W. MacLaren, A. Searl, JMG. Davis, JF. Hurley & CA. Soutar, Institute of Occupational Medicine Report TM/96/08, 1996, pp 63
- "Epidemiological evidence on the carcinogenicity of silica: factors in scientific judgement", CA. Soutar, A. Robertson, BG. Miller & A. Scarl, Institute of Occupational Medicine Report, TM/97/09, 1997, pp 34
- IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France
- Good Practices Guide is available from www.nepsi.eu and provides useful information and guidance for the handling of products containing respirable crystalline silica

16.3 Date of last revision: 7 May 2013

Notice to reader:

This safety data sheet complements the technical data sheets but does not replace them. The information it contains is based on our present knowledge of the product on the date indicated. It is given in good faith. Users should be warned about the risks associated with using the product for a different purpose than that for which it was developed, and particularly for uses for which we are not qualified to give advice.

These regulatory prescriptions are provided with a view to helping users meet their obligations when using this product. This list should not be considered exhaustive and does not exempt users from ensuring that they are not required to comply with any further prescriptions other than those mentioned above concerning product possession and handling for which they are solely responsible.