1. IDENTIFICATION

Product Name: KAOLIN
Synonyms: Bolus alba; Hydrated aluminum silicate; Clay
Formula and Formula Weight: Mixture NA
Integra numbers beginning with: K154.30
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000

2. HAZARDS IDENTIFICATION

OSHA Classification: Hazard Category: Hazard Statement: None identified Not applicable Not applicable
Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Synonyms</th>
<th>CAS #</th>
<th>% Weight</th>
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<td>Bolus alba; Hydrated aluminum silicate; Clay</td>
<td>01332-58-7</td>
<td>100</td>
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4. FIRST AID MEASURES

Inhalation: Remove person to fresh air.
Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.
Ingestion: Do not induce vomiting. Rinse mouth. If adverse symptoms develop, seek medical attention.
Additional notes: Symptoms and effects include eye, respiratory, gastrointestinal irritation; chronic pulmonary fibrosis; stomach granuloma; bronchitis, cough, breathing difficulty, pneumoconiosis, decreased pulmonary function.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
Specific Hazards: None known.
Hazardous combustion products: None known

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Prevent spread of spill. Sweep or scoop into suitable disposal container. Dampen area to minimize dust dispersal.

7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong oxidizers.
Storage and Handling: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:

Kaolin
OSHA TWA: 15 mg/m3 (total dust); 5 mg/m3 (respirable fraction)  ACGIH TWA: 2 mg/m3
Engineering Controls: Use general or local exhaust ventilation to meet TLV and PEL requirements.
Respiratory Protection: Respiratory protection required if airborne concentrations exceed PEL or TLV. Use a NIOSH approved respirator with a particulate filter.
Skin/Eye Protective Equipment: Safety goggles, protective clothing and gloves appropriate for the risk of exposure.
Facilities storing or utilizing this material should have readily accessible eyewash stations and safety showers. Select respirators and other safety equipment in accordance with regulations and based upon the particular conditions of use and risk of exposure. Always use safe chemical-handling and good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fine white to yellow-white powder
Odor: Not available
Odor Threshold: Not available
pH: Not available
Melting/Freezing Point: Not available
Initial Boiling Point and Boiling Range: Not available
Flash Point: Not available
10. STABILITY AND REACTIVITY

Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Conditions to Avoid: None known
Incompatibles: Incompatible with strong oxidizers.
Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:
Inhalation: As with most nuisance dusts, inhalation of large quantities, or prolonged inhalation, may irritate the respiratory system.
May cause bronchitis, cough, breathing difficulty, pneumoconiosis, and decreased pulmonary function.
Skin Contact: No adverse symptoms or reactions expected.
Eye Contact: Contact may be irritating to the eyes.
Ingestion: Low in toxicity, however, ingestion may irritate the gastrointestinal system.
Chronic Effects: May cause chronic pulmonary fibrosis and stomach granuloma.
Target Organs: Respiratory system, stomach
Additional Effects: None identified
Reproductive Effects: None identified
Carcinogenicity: None identified

Toxicity Data:
Kaolin LD50 (oral, rat) >5,000 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Data: No information available
Terrestrial Toxicity Data: No information available

Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transporation.

Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

15. REGULATORY INFORMATION

Kaolin is listed in the TSCA inventory.

16. OTHER INFORMATION

OSHA SDS #: 25804 rev 101 3/27/2015

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***** END OF SDS *****