



# IMERYS

## SAFETY DATA SHEET

### AkuaPro

#### 1. Identification

##### Product identifier

**Product name** AkuaPro  
**Chemical name** Kaolin  
**CAS number** 1332-58-7

##### Details of the supplier of the safety data sheet

##### Supplier

Imerys  
 618 Kaolin Road  
 Sandersville, Georgia 31082

##### Emergency telephone number

**Emergency telephone** 1 (800) 424 9300 CHEMTREC

**National emergency telephone number** 1 478 553 5801

#### 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

##### Pictogram



**Signal word** Danger

**Hazard statements** H350 May cause cancer.

**Precautionary statements** 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.

**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 its ingredients.

**Contains** Kaolin (Hydrous), Titanium Dioxide, Crystalline Silica (Quartz)

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### 3. Composition/information on ingredients

#### Mixtures

<b>Kaolin (Hydrous)</b>	<b>90-100%</b>
CAS number: 1332-58-7	
<b>Classification</b> Not Classified	
<b>Titanium Dioxide</b>	<b>0.1 - 2.9%</b>
CAS number: 13463-67-7	
<b>Classification</b> Carc. 2 - H351	
<b>Crystalline Silica (Quartz)</b>	<b>0.1 - 0.9%</b>
CAS number: 14808-60-7	
<b>Classification</b> Carc. 1A - H350	

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

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Remove to fresh air, seek medical attention if necessary.
<b>Ingestion</b>	If ingested, give plenty of water and provide medical attention. Do not induce vomiting and never give water to an unconscious person.
<b>Skin Contact</b>	Wash with soap and water.
<b>Eye contact</b>	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.

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### 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

##### **Kaolin (Hydrous)**

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust  
 Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup> respirable fraction  
 A4  
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction

##### **Titanium Dioxide**

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust  
 Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>  
 A4

##### **Crystalline Silica (Quartz)**

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m<sup>3</sup> 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.

#### Titanium Dioxide (CAS: 13463-67-7)

**Immediate danger to life and health** 5000 mg/m<sup>3</sup>

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

**Immediate danger to life and health** 50 mg/m<sup>3</sup> 25 mg/m<sup>3</sup>

### Exposure controls

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<b>Appropriate engineering controls</b>	Use exhaust ventilation, if required, to maintain dust concentration below regulatory limits.
<b>Eye/face protection</b>	Wear approved side shield safety glasses.
<b>Hand protection</b>	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.
<b>Hygiene measures</b>	Wash hands thoroughly after handling.
<b>Respiratory protection</b>	If respirator use is required, use of a MSHA/NIOSH, OSHA/NIOSH approved respirator is recommended in compliance with applicable respiratory protection legislation.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Powder.
<b>Color</b>	White.
<b>Odor</b>	Odorless
<b>pH</b>	Aqueous suspension pH range is 5.0 to 8.0 depending on the specific product.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Other flammability</b>	Kaolin is not combustible.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	This product is not combustible or explosive.

### 10. Stability and reactivity

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

### 11. Toxicological information

#### Information on toxicological effects

<b>Toxicological effects</b>	This product is not toxic (oral, dermal, or inhalation).
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### 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. This product also contains titanium dioxide, a naturally occurring impurity, in a concentration greater than 0.1%. In the IARC Monograph on the Evaluation of Carcinogenic Risk to Humans, Volume 93 published in 2010, IARC concluded that titanium dioxide is possibly carcinogenic to humans (Group 2B). Based on the IARC conclusion, this ingredient is classified as a Category 2 Carcinogen - (Warning - Suspected of Causing Cancer).

## 12. Ecological Information

### **Ecotoxicity**

The product is not expected to be hazardous to the environment.

## 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.

## 14. Transport information

### **General**

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

### Transport hazard class(es)

Not regulated.

## 15. Regulatory information

### **Regulatory Status**

Kaolin is generally recognized as safe (GRAS) under the FDA in accordance with 21 CFR 186.1256. Additionally, kaolin is established as a component of the uncoated or coated food-contact surface of paper and paperboard in accordance with 21 CFR 176.170 (aqueous and fatty foods) and 21 CFR 176.180 (dry foods).

### 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.

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### 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.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

This product contains trace levels of one or more naturally-occurring materials known to the State of California to cause cancer, birth defects, or other reproductive harm.

#### 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.

#### US - TSCA 12(b) Export Notification

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

### 16. Other information

Revision date	2/22/2017
SDS No.	5038
Hazard statements in full	H350 May cause cancer. H351 Suspected of causing cancer.
ACA HMIS Health rating.	1
ACA HMIS Flammability rating.	0
ACA HMIS Physical hazard rating.	0
ACA HMIS Personal protection rating.	E

## AkuaPro

This information and recommendations are believed to be accurate as of the date hereof. IMERYS makes no warranty, express or implied, or guarantee regarding the accuracy, reliability or completeness and disclaims all liability from reliance thereon. It is the user's responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use. Imerys is a business name of Imerys Pigments, Inc., IMERYS Clays, Inc., IMERYS Kaolin, Inc., and IMERYS Marble, Inc. Registered in the USA. Registered office: 100 Mansell Court East, Suite 300, Roswell, Georgia 30076.