## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE

| | | |
|---|---|---|
| **1.1** | **Product ID** | |
| | Trade name | **CLAY APM 112** |
| | Chemical name | **Kaolinite; Quartz; Titanium Dioxide** |

| | | |
|---|---|---|
| **1.2** | **Uses of the substance** | |
| | Principal Use | Raw material for ceramic industry |
| | Other uses | |

| | | |
|---|---|---|
| **1.3** | **Details of the supplier of the safety data sheet** | |
| | Piedra Grande Lab (S.A.M.I.C.A y F.) | |
| | Email | ventas@piedra-grande.com |
| | Manufacturer | Piedra Grande S.A.M.I.C.A y F. |
| | Address | Balcarce 880 5th Floor, Capital Federal PC (1064) – Buenos Aires – Argentina |
| | Telephone | 5411- 4362-7004 |
| | Emergency Telephone # | 5411- 4362-7004 |

## SECTION 2 HAZARDS IDENTIFICATION

| | |
|---|---|
| **2.1** | **Classification of the substance or mixture** |

N/A

| | |
|---|---|
| **2.2** | **GHS Label** |

| | |
|---|---|
| **2.3** | **Other Hazards** |

Contains crystalline silica. Avoid high concentrations to particles < 10 microns.

## SECTION 3 COMPOSITION – INFORMATION OF INGREDIENTS

| 3.1 | **Product Definition** |
|---|---|

Mixture

| 3.2 | **Composition** |
|---|---|

| Name of substance | CAS # | % |
|---|---|---|
| Silicium Dioxide ($SiO_2$) | 14808-60-7 | **57,00** |
| Titanium Dioxide ($TiO_2$) | 13463-67-7 | **0,89** |
| Kaolinite | 1332-58-7 | **42,11** |

## SECCTION 4 FIRST AID MEASURES

| 4.1 | **Description of first aid measures** |
|---|---|

| | |
|---|---|
| **Eye contact** | Rinse with plenty of water without rubbing the eyes for at least 15 minutes. If irritation persists, seek medical attention. |
| **Inhalation** | Remove the victim from the area with high dust content. Move him/her to an environment where he/she can breathe fresh air. If symptoms persist, seek medical attention. |
| **Skin contact** | Rinse with plenty of water for 15 minutes; if irritation persists seek medical attention. |

| 4.2 | **Most important symptoms and effects, both acute and delayed.** |
|---|---|

No acute or chronic effects are to be expected under usual and normal conditions of use.

| 4.3 | **Indication of any immediate medical attention and special treatment needed.** |
|---|---|

In case of contact with the eyes, ophthalmologic medical consultation should be considered.
In case of exposure to very dusty environments without the use of respiratory protection, seek medical advice for exposure.
Ingestion may cause gastrointestinal irritation, nausea, and diarrhea.

## SECTION 5 FIREFIGHTING MEASURES

Product is not flammable.

## SECTION 6 ACCIDENTAL SPILLAGE MEASURES

| 6.1 | Spill response actions. |
|---|---|

| |
|---|
| Clean and collect the material. Avoid or minimize raising dust during the procedure. |
| Moistening the spilled material can help to reduce the dust in suspension. |
| It should be considered that the product becomes slippery when wet. |

| 6.2 | Personal precautions, protective equipment, and emergency procedures |
|---|---|

| |
|---|
| In the event of a spill contingency, emergency response personnel should wear respiratory protection, gloves, and eye protection. All this personal protective equipment is NIOSH / MHSA / OSHA approved. |




## SECTION 7 HANDLING AND STORAGE

| 7.1 | Precautions for safe handling |
|---|---|

| |
|---|
| Handle material packages with caution against falling or broken containers to avoid dispersion of the material and generation of suspended particulate matter.<br>Avoid exposure of the material to water or humidity during storage.<br>Consider recycling the containers once they are empty.<br>Avoid drinking, eating, or smoking in storage areas or during handling.<br>All personnel handling the material in closed containers must use mechanical risk PPE such as safety shoes and gloves. |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| 8.1 | Control parameters (As particulate matter) |
|---|---|

| MAXIMUM CONCENTRATIONS ARGENTINE LAW | RESPIRABLE DUST | TOTAL DUST |
|---|---|---|
| CMP-CPT | (mg/m$^3$) | (mg/m$^3$) |
| Law 19587 Res. 295/2003 (Argentina) | 2 | 10 |

| MAXIMUM CONCENTRATIONS. INTERNATIONAL LAWS | RESPIRABLE DUST | TOTAL DUST |
|---|---|---|
| TWA-TLV | ($mg/m^3$) | ($mg/m^3$) |
| NIOSH TWA | 5 | 10 |
| ACGIH TLV | 2 | - |

| **8.2** | Exposure Controls |
|---|---|

During operations with exposure to particulate matter, it is recommended to monitor (according to local programs or regulations) total and respirable particulate matter.

| **8.3** | Protective equipment for handling |
|---|---|




## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| **9.1** | Information on basic physical and chemical properties |
|---|---|

| Parameter | Value | Units / observations |
|---|---|---|
| Physical state | Solid | N/A |
| Color | Grayish white or light brown | N/A |
| Odor | Does not have | N/A |
| Freezing Point | N/A | N/A |
| Fusion Point | 1500 / 1700 | °C |
| Inflammability | Not flammable | N/A |
| Explosive Limits | N/A | N/A |
| pH | Alcaline | upH |
| Solubility | Not soluble | N/A |
| Specific weight | 2,6 | $g/cm^3$ |

## SECTION 10 STABILITY AND REACTIVITY

| | |
|---|---|
| **10.1** | Chemical Stability |

Product is stable.

| | |
|---|---|
| **10.2** | Reactivity |

Non-reactive

| | |
|---|---|
| **10.3** | Hazardous products by decomposition |

None

| | |
|---|---|
| **10.4** | Non compatible Materials |

Do not store together with oxidizing products.

## SECTION 11 TOXICOLOGY INFORMATION

| | |
|---|---|
| **11.1** | Information and type of hazards |

May cause skin and eye irritation and respiratory mucous membrane irritation.
Ingestion may cause gastrointestinal irritation, nausea, and diarrhea.

| | |
|---|---|
| **11.2** | Other risks information |

No other known hazards

## SECTION 12 ENVIRONMENTAL INFORMATION

| | |
|---|---|
| **12.1** | Information and type of hazards |

No known effects on the environment

## SECTION 13 DISPOSAL CONSIDERATIONS

| | |
|---|---|
| **13.1** | Waste treatment methods. |

The material does not require special treatment as it is not considered hazardous.

## SECTION 14 TRANSPORT INFORMATION

| | |
|---|---|
| **14.1** | Transportation identification |

As it is not classified as a hazardous substance, it does not require special procedures for transportation.
**Material not restricted for IATA**

## SECTION 15 REGULATORY INFORMATION

| | |
|---|---|
| **15.1** | Safety, health, and environmental regulations/legislation specific to the substance or mixture |

See information in section 8.

## SECTION 16 OTHER INFORMATION

| | |
|---|---|
| **16.1** | Glossary & References |

**ACGIH:** American Governmental Conference of Industrial Hygienists (EEUU).
**NIOSH:** National Institute of Occupational Health and Safety (EEUU).
**OSHA:** Occupational Health & Safety Management (EEUU).
**MSHA:** Mining Occupational Health and Safety Management (EEUU).
**PEL:** Permissible exposure value.
**TLV:** Threshold value
**TWA:** Time weighted average.
**CMP-CPT:** Maximum concentration allowed for short periods of time.
**TLV-TWA:** Time weighted tolerable limit value
**IATA:** International Air Transport Association

| | |
|---|---|
| **16.2** | Contents |

The information contained in this safety data sheet is based on our experience and knowledge, is authentic and reliable, and is intended to describe the product in consideration of industrial hygiene and safety requirements.

| | |
|---|---|
| **16.3** | Format and scope. |

The development of this SDS is based on COMMISSION REGULATION (EU) 2020/878 of June 18, 2020, amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).