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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier KAOLIN		Product Use Laboratory use	
Chemical formula $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$		Product code KU-0100; KP-0100	Molar weight 294,19
Chemical name / Commercial name / Synonymous Hydrated aluminum silicate; Bolus; Aluminum silicate hydroxide; China clay; PORCELAIN CLAY; ALUMINIUM SILICATE PIGMENT			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
Postal code G1C 7B7	Internet www.labmat.com	Phone number 418-660-8666 / 800-890-8666	
Emergency phone	CANUTEC: 613-996-6666	CENTRE ANTI-POISON DU QUÉBEC 800-463-5060	
Date SDS 7/26/2021	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Not a hazardous substance according to WHMIS 2015
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)
	Health 1 Fire 0 Reactivity 0 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
Kaolin	1332-58-7	<=100

SECTION 04 - FIRST AID MEASURES

Eye contact	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Main symptoms of high exposure: Eyes irritation. Breathing difficulties. Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	No
Ignition conditions	Not flammable or combustible.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion products	Hazardous combustion products formed under fire conditions: Aluminium oxides. - silicon oxides.
Special fire and explosion hazards	To the best of our knowledge, no other specific hazards have been identified.
Special protective equipment and precautions for firefighters	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personal precautions, protective equipment	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Avoid breathing dust. Dispose of residues in the same way as household waste. For large quantities, consult the Ministry of the Environment.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place.
Methods of handling	Provide appropriate exhaust ventilation at places where dust or vapor is formed. Avoid breathing dust, fumes, gases, mists, vapors, aerosols.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Control	Value	Basis
Kaolin	1332-58-7	TWA,	2 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TWA,	2 mg/m3	Canada. British Columbia OEL
		TWA	2 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

Data source	CNESST Sigma-Aldrich (Millipore Sigma)
Ventilation	Use fan.
Respiratory	If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
Gloves	Handle with gloves.
Eyes	Safety goggles with safety shutters.
Shoes	Safety shoes.
Clothing	Labcoat.
Engineering control	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid.
Appearance	Solide poudreux, blanc à jaunâtre à grisâtre.
Odour	Inodore à odeur terreuse lorsque mouillé.
Odour threshold	Data not available
pH	Sans objet.
Melting point / Freezing point	> 1 785°C
Initial boiling point	Data not available
Boiling range	Data not available
Flash point	Data not available
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	Data not available
Upper flammable / Explosive limit	Data not available
Vapour pressure	Data not available
Vapour density	Data not available
Relative density	1.8 à 2.6g/cm ³
Solubility	Insoluble dans l'eau, légèrement soluble dans acides.
Partition coefficient water/n-octanol	Data not available
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Avoid dust formation.
Incompatible material	Strong acids. Strong oxidizers. To our knowledge, the product has not been fully evaluated.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - silicon oxides. Aluminium oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

KAOLIN

Routes of exposure	Inhalation.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Irritation.
- Skin	No irritation if in contact with the skin.
- Inhalation	To our knowledge, the product has not been fully studied.
Acute toxicity (Ingestion)	No known health effects. To our knowledge, the product has not been fully studied.
Chronic exposure effects / symptoms	Repeated inhalation of dust causes a decrease in lung capacity. Overexposure can cause the following symptoms: Chronic pulmonary fibrosis. Pneumoconiosis. Granuloma of the stomach. Target organs: Respiratory system. Stomach - Irregularities - Based on the effect observed in humans Some sources indicate that the product is carcinogenic. To our knowledge, the chemical, physical and toxicological properties have not been fully investigated.
DL50 (specify species and route of entry)	DL50 Dermal - Rat - > 5,000 mg/kg LD50 Oral - Rat - > 5,000 mg/kg.
CL50 (specify species and route of entry)	LC50 - Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Data not available.
Persistence and degradability	The methods for determining the biological degradability are not applicable to inorganic substances.
Bioaccumulative potential	Data not available.
Mobility in soil	Unlikely mobility in the environment due to its low solubility in water.
Other adverse effects	No ecological problem is to be expected.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method	Eliminate as a household waste. For large quantities, contact a specialist waste disposal company.
Contaminated Packaging	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

UN Number	N/R
UN Proper shipping name	
Transport hazard class(es)	
Packing group	
Limited quantity index	
ERAP Index	
Special precautions	

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Not a hazardous substance according to WHMIS 2015
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SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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