



บริษัท แซนด์แอนด์ซอยล์ พลัส จำกัด

SAND AND SOIL PLUS COMPANY LIMITED

3 ซอยลาสาล 14 ถนนสุขุมวิท 105 แขวงบางนาใต้ เขตบางนา กรุงเทพมหานคร 10260 โทร 0-2744-4523 แฟกซ์ 0-2398-5453

3 Soi Lasalle 14 Sukhumvit 105 Road, Bangna Tai, Bangna, Bangkok 10260 Thailand Tel. 0-2744-4523 Fax. 0-2398-5453

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identification

Product name : CHINA CLAY

CAS No. : 1332-58-7

EC No. : 310-194-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : For use in chemical industry.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Trader : SAND AND SOIL PLUS COMPANY LIMITED

Address : 3 Soi Lasalle 14 Sukhumvit 105 Rd., Bangna Tai, Bangna, Bangkok Thailand 10260.

Telephone : 0-2744-4523

Fax : 0-2398-5453

E-mail : customerservice@sandandsoilgroup.com

Emergency phone : 0-2744-4523

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

This substance is not classified as hazardous according to Regulation (EC) No 1272/2008

Classification according to EU Directive 67/548/EEC or 1999/45/EC

This substance is not classified as hazardous according to Directive 67/548/EEC

2.2 Label elements

Labeling according Regulation (EC) No 1272/2008 [CLP]

Pictogram No symbol

Signal word No signal word



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Hazard statement(s) :

Potential Acute Health Effects :

Hazardous in case of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects : Slightly hazardous in case of ingestion.

Carcinogenic Effects : A4 (Not classifiable for human animal), by ACGIH

Mutagenic Effects : Not available.

Teratogenic Effects : Not available

The substance may be toxic to upper respiratory tract, stomach. Repeated or prolonged exposure to the substance can produce target organs damage.

Precautionary statement(s) :

P261: Avoid breathing dust.

P264: Wash hands thoroughly after handling.

P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.

P332 + P313: If skin irritation occurs. Get medical advice/attention.

P337 + P313: If eye irritation persists. Get medical advice/attention.

P362 + P363: Take off contaminated clothing. Wash contaminated clothing before reuse.

2.3 Other hazards – None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms ; Anhydrous aluminum silicate

Formula ; $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$

Molecular weight ; 258.16 g/mol

Component	CAS No.	EC No.	Concentration	Classification	
				67/584/EEC	Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Anhydrous aluminum silicate	1332-58-7	310-194-1	> 98	Not classified	Not classified
Mica	12001-26-2	-	-	Not classified	Not classified
Feldspar	68476-25-5	270-666-7	-	Not classified	Not classified



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4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse.

In case of eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

If swallowed

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

5. FIREFIGHTING MEASURES

Extinguishing media	: Use water spray, dry chemical or carbon dioxide.
Flammability of the product	: Non-flammable.
Auto-ignition Temperature	: Not applicable
Flash Points	: Not applicable
Flammable	: Not applicable
Product of Combustion	: Not applicable
Fire Fighting Media and Instructions	: Not applicable
Special Remarks on Fire Hazards	: Not applicable
Special Remarks on Explosion Hazards	: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Small Spill :

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements

Large Spill :

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.



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7. HANDLING AND STORAGE

Precautions : Do not breathe dust. Keep away from incompatible such as oxidizing agents, acids, alkalis.

Storage : Keep container tightly closed. Keep container in a cool, Well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls :

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection : Safety glasses, Lab coat, Gloves and Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill :

Spash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product

Exposure Limits :

TWA: 2(mg/m³) from ACGIH (TLV) [United States][1999] Inhalation Respirable.

TWA: 15(mg/m³) from OSHA (PEL) [United States] Inhalation Total.

TWA: 5(mg/m³) from NIOSH Inhalation Respirable.

TWA: 10(mg/m³) from NIOSH [United States] Inhalation Total.

TWA: 5(mg/m³) from OSHA (PEL) [United States] Inhalation Respirable.

Consult local authorities for acceptable exposure limits

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form; solid
	Color; off-white powder
b) Odor	no data available
c) Odor Threshold	no data available
d) pH	5.0 ~ 7.0
e) Melting point	1785 °C
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available



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i)Flammability(solid, gas)	no data available
j)Upper/lower flammability or explosive limits	no data available
k)Vapor pressure	no data available
l)Vapor density	no data available
m) Specific gravity	~2.6
n)Water solubility	Insoluble
o)Partition coefficient : n-octanol/water	no data available
p)Auto-ignition temperature	no data available
q)Decomposition temperature	no data available
r)Viscosity	no data available
s)Explosive properties	no data available
t)Oxidizing properties	no data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	No data available
10.3 Possibility of hazardous reaction	No data available
10.4 Condition to avoid	Excess dust generation, incompatible materials
10.5 Incompatible material	Oxidizing agents, acids, alkalis.
10.6 Hazardous decomposition product	Other decomposition products – no data available

11. TOXICOLOGICAL INFORMATION

Routes of Entry : Inhalation. Ingestion

Toxicity to Animals : LD 50: Not available

LC 50: Not available

Chronic Effects on Humans:

CARCINOGENIC EFFECTS : A4 (Not classifiable for human or animal) by ACGIH. May cause damage to the following organs: upper respiratory tract, stomach.

Other Toxic Effects on Human : slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals : Not available.



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Special Remarks on Chronic Effects in Humans : May cause adverse reproductive effects based on animal test data. No human data found.

Special Remarks on other Toxic Effects on Humans:

Acute potential Health Effects:

Skin : Dust may cause irritation.

EYES : Dust may cause eye irritation.

Ingestion : May cause irritation of the digestive tract.

Inhalation : Dust may cause respiratory tract irritation

Chronic Potential Health Effects : Prolonged exposure may affect the stomach and respiratory system. The NIOSH Pocket Guide lists the respiratory system and stomach as target organs. Chronic inhalation may cause a particular type of pneumoconiosis called Kaoliosis.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

BOD5 and COD: Not available

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available

13. DISPOSAL CONSIDERATION

Waste Disposal :

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging :

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -



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14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG: Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

15. REGULATORY INFORMATION

Federal and State Regulations: Not available

Other Regulations : Not available

Other Classifications :

WHMIS (Canada) : CLASS D-2A: Material causing other toxic effects (VERY TOXIC)

DSCL (EEC):

This product is not classified according to the EU regulations.

S24/25-Avoid contact with skin and eyes.

S28-After contact with skin, wash immediately with plenty of water.

S36/37/39-Wear suitable protective clothing, gloves and eye/face protection.

S45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Safety glasses and Dust respirator. Be sure to use an approved/ certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.



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16. OTHER INFORMATION

References : Not available.

Other Special Considerations : Not available.

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