

Safety Data Sheet

Issuing date : 2015/07/23
Revision date : Not revised

SDS # :
Version :

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Bentonite

Product name

Montmorillonite Clay

Product Code(s)

None

Use

Desiccant

Details of the supplier of the safety data sheet

Supplier

STREAM PEAK INTERNATIONAL PTE. LTD.
26 Tuas South Street 3, Singapore 638026
[Tel:6862](tel:68623800) 3800

Manufacturer

STREAM PEAK INTERNATIONAL PTE. LTD.
26 Tuas South Street 3, Singapore 638026
[Tel:6862](tel:68623800) 3800

SECTION 2: Hazards identification

Classification of the substance or mixture

Not classified as hazardous.

Classification according to Regulation (EC) No 1272/2008

Not classified as hazardous.

Label Elements

Labelling according to Regulation (EC) No 1272/2008

Not required

Hazard pictograms

Not required

Signal word

Not required

Hazard statements

Not required

Precautionary Statements

DO NOT EAT

Other Information

Not required

Other hazards which do not result in classification

Not required

SECTION 3: Composition/information on ingredients

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Chemical name	CAS-No	Registration-No (EC1907/2006)	Weight %	(EC) No 1272/2008	
				Classification (Hazard class / Category code)	H-Statement
Aluminum Silicate	12141-46-7	Not registered	97	None	None
Silica, Crystalline (Quartz)	14808-60-7	Not registered	3	None	None

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

Description of first aid measures

Inhalation

Move person to fresh air. Seek medical attention if necessary.

Ingestion

If large quantities are ingested, seek medical advice.

Skin Contact

Flush skin with water. If irritation persists, seek medical attention.

Eye Contact

Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

Most important symptoms and effects, both acute and delayed

Inhalation

Causes respiratory tract irritation. May cause progressive pulmonary fibrosis due to crystalline silica. Symptoms include cough, dyspnea, wheezing and impairment of pulmonary function.

Ingestion

No adverse health effects are expected from swallowing.

Skin Contact

May cause mechanical injury.

Eye Contact

Large amounts of dust may cause irritation.

Chronic Effects

Refer to carcinogenicity and potential health effects

Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use media appropriate for surrounding fire.

Not a fire or explosion hazard.

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Unsuitable extinguishing media

None.

Special hazards arising from the substance or mixture

Special Hazard

None

Hazardous combustion products

None

Advice for firefighters

Special protective equipment for fire-fighters

None

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Contain spillage. Avoid dusting.

Environmental Precautions

None

Methods and material for containment and cleaning up

Scoop or vacuum into a container for reclamation or disposal.

Other Information

Refer to Section 8, 13

SECTION 7: Handling and storage

Precautions for safe handling

Avoid Generating or breathing dust. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep container closed. Store in cool, dry location.

Specific end uses

Desiccant

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SECTION 8: Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	EU OEL	OSHA PEL	ACGIH TLV	Australia OEL
Aluminum Silicate	Not established	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable fraction)	Not established
Silica, Crystalline	Not established	30 mg/m ³ ÷ (%SiO ₂ +2) (total dust) 10 mg/m ³ ÷ (%SiO ₂ +2) (respirable fraction)	0.05 mg/m ³ (respirable fraction)	Not established

Appropriate engineering controls Not required

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses.
Skin Protection Wear suitable gloves.
Respiratory Protection Use a NIOSH/MSHA approved respirator as necessary to protect from dust.
Thermal hazards General ventilation. Local exhaust ventilation is recommended.
None

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Granules
Odor	None
Odor threshold	No data available
pH	6-9 (slurry)
Melting/Freezing point (°C)	No data available
Boiling Point/Range (°C)	No data available
Flash Point (°C)	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	No data available
Upper Flammability Limit	No data available
Lower Flammability Limit	No data available
Vapor pressure	No data available
Vapor Density	No data available
Relative density	No data available
Solubility(ies)	Negligible
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature (°C)	No data available
Decomposition Temperature (°C)	No data available
Viscosity (mPa s)	No data available
Explosive properties	No data available
Oxidizing properties	No data available

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Other Information
No data available

SECTION 10: Stability and reactivity

Reactivity
No data available:(stable)

Chemical stability
Stable

Possibility of Hazardous Reactions
None

Conditions to Avoid
None

Incompatible materials
Strong Alkalies. Strong oxidizing agents.

Hazardous Decomposition Products
None

SECTION 11: Toxicological information

Information on toxicological effects
No data available (Lack of data)
Acute toxicity
No data available (Lack of data)
Skin corrosion/irritation
No data available (Lack of data)
Serious eye damage/eye irritation
No data available (Lack of data)
Sensitization
No data available (Lack of data)
Germ cell mutagenicity
No data available (Lack of data)
Carcinogenicity
No data available (Lack of data)
Reproductive Toxicity
No data available (Lack of data)
STOT - single exposure
No data available (Lack of data)

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STOT - repeated exposure
No data available (Lack of data)
Aspiration hazard
No data available (Lack of data)
Other Information
No data available

SECTION 12: Ecological information

Toxicity

Ecotoxicity effects
No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13: Disposal considerations

Waste treatment methods

Federal, state and local disposal laws will determine the proper waste disposal procedure.

SECTION 14: Transport information

UN number

None

Proper Shipping Name

None

Hazard Class

None

Packing Group

None

Environmental Hazards

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None

Special Precautions for users

None

**Transport in bulk according to Annex II of
MARPOL 73/78 and the IBC Code**

None

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

[EU Information]

(EC) No 1907/2006 None

Authorisation

(EC) No 1907/2006 Restriction None

(EC) No 1005/2009 None

(EC) No 850/2004 None

(EC) No 649/2012 None

Chemical Safety Assessment
under (EC)No1907/2006

None

[USA Information]

TSCA Sec 4,5,6,7,8,12b

This product or its' ingredients are listed on or compliant with the TSCA Inventory.

OSHA-HCS

None

Classification/Label

FHSA Classification/Label None

SARA Title III Sec 313 None

California Proposition 65 None

[Canada Information]

CEPA Sec 81 (DSL and NDSL
listing status)

HPA (WHMIS) None

[Australia Information]

None

ICNA Act Sec 21 (AICS listing
status)

NOHSC:1008/NOHSC:2012 None

WHS Regulations Chap 7 Part
7.1 None

Other Information

Sara 311/312 Hazard Categories: Chronic Health Hazard

This product contains chemicals known to the State of California to cause cancer.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3

None

Annex

None

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Revision Note

Key literature references and sources for data

- EU Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU.
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EC) No 850/2004, (EC) No 649/2012
- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Environmental Protection Agency, 40CFR Part 700-799
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- Australian Workplace Exposure Standards for Airborne Contaminants
- California EPA, Code of Regulations Title 27. Division 4. Chapter 1. Safe Drinking Water and Toxic Enforcement Act of 1986
- Environment Canada, Canadian Environmental Protection Act, 1999- Health Canada, Hazardous Products Act, and Controlled Products Regulations
- Canada Workplace Hazardous Materials Information System
- NICNAS, Industrial Chemicals (Notification and Assessment) Act 1989
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substance [NOHSC:1008(2004)]
- Australia National Occupational Health and Safety Commission's National Code of Practice for the Labelling of Workplace Substance [NOHSC:2012(1994)]
- Safe Work Australia, Work Health and Safety Act 2011 and Model Work Health and Safety Regulations

Key or legend to abbreviations and acronyms used in the safety data sheet

- EU OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU.
- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists
- Australia OEL: Occupational exposure limits under Work Health and Safety Act 2011 and Regulations
- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- FHSA: Federal Hazardous Substances Act (USA)
- TSCA: Toxic Substances Control Act
- SARA Title III: SARA Title III of the Superfund Amendments and Reauthorization Act of 1986
- Proposition 65: Safe Drinking Water and Toxic Enforcement Act of 1986
- CEPA: Canadian Environmental Protection Act, 1999
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- HPA: Hazardous Products Act
- WHMIS: Workplace Hazardous Materials Information System
- ICNA Act: Industrial Chemicals (Notification and Assessment) Act 1989
- AICS: Australian Inventory of Chemical Substances
- WHS Regulations: Model Work Health and Safety Regulations

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