

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

· **Product details**

· **Trade name:** Granules clay

· **Application of the substance / the preparation**

Not applicable.

· **Manufacturer/Supplier:**

Linjiang (Holdings) Limited

Baizhuang East Road 67,Zhecheng, Shangqiu, Henan, China

TEL: 0086-370-6018000

· **Information in case of emergency:**

0086-370-6018000

2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008** Void

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.

· **Information concerning particular hazards for human and environment:** Not applicable.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard-determining components of labelling:** Void

· **Hazard statements** Void

· **Labelling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us.
Observe the general safety regulations when handling chemicals.

3 Composition/information on ingredients

· **Chemical characterization:**

Chemical name	CAS No	Weight-%
Sodium silicate	1344-09-8	2%
Bentonite Clay	1302-78-9	98%



4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Remove person to non-contaminated air. Get immediate medical attention.
- **After skin contact:**
Wash skin thoroughly with soap and water, remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention if irritation should develop.
- **After eye contact:**
Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. See Medical Attention.
- **After swallowing:**
Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical help immediately. If possible give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear.
- **Information for doctor:**
Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents.
Note: Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5 Firefighting measures

- **Suitable extinguishing agents:** Product does not burn. Use water to keep containers cool.
- **Protective equipment:**
Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

6 Accidental release measures

- **Person-related safety precautions:**
Product is an irritant to eyes and a sensitizer to skin. Use all necessary means to clean up spill safely. Provide adequate ventilation to spill area. Appropriate breathing apparatus may be necessary.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Stop leaks. Clean up spill immediately. Build dikes as necessary to contain flow of large spills. Do not allow liquid to enter stream or waterways. For small spills, use soda ash to neutralize, and inert material to absorb, or wash product to a chemical sewer.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Avoid contact with eyes, skin and clothing. Avoid breathing mists and sprays. Use adequate ventilation and employ respiratory protection where mist or spray may be generated. Wash thoroughly after handling. Do not take internally, May be harmful if swallowed or inhaled. Keep away from heat and open flame.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool dry place away from direct heat. Keep container tightly closed when not in use.
- **Information about storage in one common storage facility:** Store away from incompatible materials.
- **Further information about storage conditions:** DO not store in unlined metal containers.

· **Specific applications**

It is mainly used in the purification of the drinking water, industry water, oil field recycling water and various kinds of sewages.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:**

Provide adequate local exhaust ventilation to minimize worker exposure.

· **Ingredients with limit values that require monitoring at the workplace:** Not required.

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Avoid prolonged inhalation of heated vapors. Wear standard work clothing and work shoes. A safety shower and eye wash should be located in the immediate area.

· **Respiratory protection:**

When exposures exceed the PEL, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses with side shield.

· **Body protection:**

Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.

9 Physical and chemical properties

· **General Information**

· **Appearance:**

Form: Solids

Colour: Grey

· **Odour:** No appreciable odor.

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Not determined.

· **Flash point:** Not applicable.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** Not determined.

Safety Data Sheet

· Density:	Not determined.
· Solubility in / Miscibility with water:	Not applicable.
· pH-value at 20°C:	8.0 - 9.0
· Additional information:	Not applicable.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
Corrosive Liquid! Avoid storage in unlined metal containers. Product may slowly corrode iron, brass, copper, aluminum and mild Steel.
- **Materials to be avoided:** Alkalies
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**
Thermal decomposition may release toxic and/or hazardous gases such as chlorine and hydrochloric acid.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
Oral LD50 >2000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** May cause mild skin irritation.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
The substance is not subject to classification according to the latest version of the EU lists.
- **Acute effects (acute toxicity, irritation and corrosivity)**
SKIN: Dermatitis.
EYE: Irritation and burns.
INHALATION: Nose and respiratory irritation.
INGESTION: Toxic, nausea, vomiting, diarrhoea, burns to mucous membrane, liver and kidney damage.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65

12 Ecological information

- **Results of PBT and vPvB assessment** TO BE PROVIDED IN THE REGISTRATION DOSSIER

13 Disposal considerations

- **Product:**
- **Recommendation**
Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous waste.
- **Uncleaned packaging:**
- **Recommendation:**
Contain and collect using absorbent material if needed. Place collected material into properly labeled, suitable containers for proper disposal. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN "Model Regulation":** -

15 Regulatory information

- **Chemical safety assessment** A Chemical Safety Assessment has not been carried out.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
The substance is not listed as SVHC.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product safety department.
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association"
(IATA) ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"
(ICAO) EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)