



## MATERIAL SAFETY DATA SHEET - MSDS

**Chemical product identification:** Granules clay

**MSDS No.:** "\*\*\*\*\*STA201706083

**Page:** "\*\*\*\*\*01/ 04

**Revision date**"\*\*\*\*\*32/June/2017

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Chemical product identification:** Granules clay

**Manufacturer Identification:**

**Nco g<** Linjiang (Holdings) Limited

**Address:** Baizhuang East Road 67,Zhecheng, Shangqiu, Henan, China

**Telephone:** 0086-370-6018000

### SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

**Chemical Names:**

Sodium silicate	2%	1344-09-8
Bentonite Clay	98%	1302-78-9

#### **Hazardous Ingredients**

Crystalline Silica ( quartz, 14808 – 60 – 7 ) is present <6% as a naturally occurring component not removed from the clay ore in processing. See Section 11 for further information.

### SECTION 3 HAZARDS IDENTIFICATION

HMIS Rating:

**Health** = 1\* ( possible hazard from chronic exposure to dust, see Section 11 )

**Flammability** = 0, **Reactivity** = 0, **Personal Protective Equipment** = E

EMERGENCY OVERVIEW: Under normal usage or contained spills this material does not pose a significant emergency risk. This material is very slippery when wetted with water. Appropriate precautions should be taken to avoid slips and falls.

POTENTIAL HEALTH EFFECTS:

#### **Inhalation:**

Inhalation of high concentrations may cause coughing and upper respiratory tract irritation.

#### **Ingestion:**

Not expected to be swallowed.

#### **Skin Contact:**

No adverse effects expected.

#### **Eye Contact:**

No adverse effects expected but dust may cause mechanical irritation.

#### **Chronic Exposure:**

No information found.

**Chemical product identification:** Granules clay

**MSDS No.:** "\*\*\*\*\*STA201706083

**Page:** "\*\*\*\*\*01/ 04

**Revision date**<"\*\*\*\*\*32/June/2017

#### **SECTION 4 FIRST-AID MEASURES**

**Skin:** Wash off with soap and water.

**Eye:** Flush with tepid water for 15 minutes. If irritation or pain persist, seek medical attention.

**Inhalation:** Remove person to fresh air. Seek medical attention if shortness of breath or irritation persists.

**Ingestion:** Could result in intestinal blockage. If large amounts are swallowed seek medical attention.

**Notes to Physician:** Mixture is orally non-toxic. See Section 11 for additional toxicological data.

#### **SECTION 5 : FIRE FIGHTING MEASURES**

**Flashpoint:** Not applicable

**Upper Explosive Limit:** Not applicable

**Lower Explosive Limit:** Not applicable

**Autoignition Temperature:** Not applicable

**Thin-film Ignition Temperature:** Not applicable

**Known or anticipated hazardous products of combustion:** None

**Basic fire fighting guidance:** Not applicable

**Extinguishing media:** Not applicable

#### **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

Wet down large spills with water mist to avoid generating excessive dust levels. Caution: This material is very slippery when wet. Appropriate precautions should be taken avoid slips and falls.

Clean-up procedures and equipment: Use of a dustless vacuum system or shoveling. Flushing with water is also an acceptable method. Avoid dry sweeping or other methods that may generate high dust concentrations. Wear NIOSH approved dust respirator.

#### **SECTION 7: HANDLING AND STORAGE**

**Handling:** Adequate ventilation is necessary in handling areas to prevent excessive airborne dust.

**Storage:** Store in closed containers in a dry area.

#### **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

##### **Engineering Controls:**

Provide general or local ventilation adequate to maintain airborne levels below occupational exposure limits.

##### **Personal Protection Equipment:**

**Eye/face:** Use safety glasses or goggles.

**Skin:** None

**Respiratory:** Use a NIOSH approved, air purifying dust respirator if dust levels are above exposure limits.

Half-masks are usually sufficient for normal use.

**Chemical product identification:** Granules clay

**MSDS No.:** "\*\*\*\*\*STA201706083

**Page:** "\*\*\*\*\*01/ 04

**Revision date:** 12/June/2017

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** granules  
**Odor:** None  
**Physical State:** solid  
**pH:** 8.0 - 9.0  
**Vapor Pressure:** Not Applicable  
**Vapor Density:** Not Applicable  
**Boiling Point:** Not Applicable  
**Melting Point:** Not Applicable  
**Solubility in Water:** Negligible  
**Specific Gravity:** 5-10 g/cm<sup>3</sup>

#### **SECTION 10: STABILITY AND REACTIVITY**

**Incompatibilities:** None  
**Conditions to avoid:** Not applicable  
**Stability:** This material is stable under normal storage and handling conditions.  
**Hazardous Polymerization:** Not applicable

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

Over-exposure to Crystalline Silica ( long contact without protection ) can cause lung silicosis, a progressive lung disease in humans. Health affects from exposure to Crystalline Silica occur only when it is inhaled.

**Inhalation Effects:** Crystalline Silica has been shown to cause silicosis and lung cancer. Crystalline Silica only causes these conditions when inhaled.  
**Skin Contact:** Prolonged skin contact may lead to drying or cracking of the skin due to H<sub>2</sub>O absorption properties of the clay.  
**Eye Contact:** As with any dust, will be irritating to the eyes due to physical scratching.  
**Medical Conditions Aggravated:** Respiratory disorders

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** None known.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of in a manner in accordance with local and federal regulations.  
This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

#### **SECTION 14: TRANSPORT INFORMATION**

This material is not regulated by the Department of Transportation

**Chemical product identification:** Granules clay

**MSDS No.:** STA201706083

**Page:** 01/ 04

**Revision date:** 12/June/2017

<b>SECTION 15: REGULAMENTATION</b>
------------------------------------

Regulamentation: None

<b>SECTION 16: OTHERS INFORMATIONS</b>
--

Tested by CHINA NATIONAL ANALYTICAL CENTER, GUANGZHOU & The Ministry of Land and Resources, Zhengzhou, Mineral Resources Monitoring the Test Center  
Emergency, please contact Mr. Huang – Tech. Director - 0086-20-37656880-87681610