

**PRODUCT SAFETY INSTRUCTIONS**

**DATE: JANUARY 03 ,2019**

**MATERIAL SAFETY DATA SHEET(MSDS)**

**PRODUCT : CALCINED KAOLIN**

**SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION**

**Common Name : CALCINED KAOLIN**

**Chemical Name : ALUMINIUM SILICATE**

**Formula :  $AL_2O_3 \cdot 2SiO_2$**

**CAS No. : 92704-41-1**

**Product Use : INDUSTRIAL FILLER AND EXTENDER**

**SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS**

<b>INGREDIENT</b>	<b>%WT</b>	<b>PEL-OSHA</b>	<b>TLV-ACGIH</b>
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<b>KAOLIN,</b>		<b>10mg/m<sup>3</sup>(Total dust)</b>	<b>5mg/</b>
<b>CASNo.:92704-41-1,100</b>		<b>m<sup>3</sup>(Respirable fraction)</b>	

**SECTION 3: HAZARDS  
IDENTIFICATION**

**EMERGENCY OVERVIEW**

**Color : White**

**Form : Powder**

**Odor : Odorless**

**Flash Point : Not Applicable**

**This product is not a fire or explosion hazard.**

**May cause mechanical irritation to eyes and damage to lung**

**ROUTE OF ENTRY**

**EYE? No      Skin? No      Inhalation? Yes      Ingestion? No**

#### **POTENTIAL HEALTH EFFECTS**

**Eye contact : may cause mechanical irritation if exposed to large amounts of dust.**

**Inhalation : may cause irritation to respiratory tract and lung damage if exposure is repeated or prolonged.**

**Ingestion : no adverse effects from swallowing.**

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#### **CHRONIC HEALTH HAZAEDS**

**Prolonged or repeated inhalation of excessive Kaolin dust may cause a benign pneumoconiosis condition,not normally associated with a decrement in lung function.**

**In case of long term exposure to extremely dense dust,may cause damage to lung function.**

#### **SECTION 4 : FIRST AID MEASURES**

**EYE CONTACT : Wash eyes with lots of water.If irritated,call a physician.**

**SKIN CONTACT : Normally no medical measures are needed.If skin contact happens, wash with plenty of water.If irritated,call a physician.**

**INHALATION : Exposed to fresh air.If not breathing,artificial respiration is necessary, Preferably mouth-to-mouth.If breathing is difficult,provide oxygen and call a physician.**

**INGESTION ; If swallowed,induce vomiting immediately under medical personnel's instruction.**

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

**Flash Point : Not applicable**

**Auto-ignition Temperature : Not applicable**

**Lower Explosive Limit,% : Not applicable**

**Upper Explosive Limit,% : Not applicable**

#### **EXTINGUISHING MEDIA**

**Product does not burn.Use appropriate extinguishing media for combustible materials**

stored near-by.

#### **FIRE FIGHTING PROCEDURES**

No special requirement

#### **UNUSUAL FIRE AND EXPLOSION HAZARDS**

This product is not a fire or explosion hazards.

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

Vacuum or scoop up the spilled material into a container for reclamation or disposal.

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Note : in the event of an accidental release of this material,the above procedures should be followed.Additionally proper exposure controls and personal protection equipment should be used(see SECTION 8 : EXPOSURE CONTROL/PERSONAL PROTECTION)and disposal of the material should be in accordance with SECTION 6 disposal measures.

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

Material may be slippery when wet.

Store in a cool day area.

Avoid breathing dust.

Avoid contact with eyes.

Use with adequate ventilation.

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

##### **PERSONAL PROTECTIVE EQUIPMENT :**

Safety goggles,gloves

##### **RESPIRATORY PROTECTION**

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Use dust mask if exposure exceeds TLV.

#### VENTILATION

Local exhaust ventilation,if necessary,controls the dust content within PEL or TLV level during the use of this product.

#### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTY

Boiling Point : N/A(Solid)

Gravity : 2.65g/cm<sup>3</sup>

Melting Point : >3000° F

Solubility in Water : Insoluble

Appearance : White Powder

Odor : Odorless

PH : 6.0-8.0

#### SECTION 10 : STABILITY AND REACTIVITY

Stability : Stable

Condition to Avoid : None expected

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Incompatibility(Material to avoid) : None expected

Hazardous Decomposition Products : None expected

Polymerization : None expected

#### SECTION11 : TOXICAL OGICAL INFORMATION

Chemical name :	%WT.	LD50	LC50
Kaolin			
CAS No, : 92704-41-1	100	Not available	Not available

Note : See SECTION 2,3 AND 7 for additional information.

#### SECTION 12 : ECOLOGICAL INFORMATION

**Environmental Effect : Not hazardous**  
**Ecological Information : Not data available.**

#### **SECTION 13 : DISPOSAL INFORMATION**

**This product is disposed as a non-hazardous waste. And disposal/recycling/reclamation requirements will vary by location and type of disposal selected. If necessary, consult with state and local regulatory authorities.**

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

**None**

#### **SECTION 15 ; REGULATORY INFORMATION**

**None**

#### **SECTION 16 : OTHER INFORMATION**

**The information in this MSDS should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the instruction of plant engineering, operations, management and for End of MSDS.**