

## Material Safety Data Sheet

### Section 1. CHEMICAL AND COMPANY IDENTIFICATION

Product Name: Metakaolin

Other names: Calcined Kaolin

Formula:  $\text{Al}_2\text{O}_3$ ,  $\text{SiO}_2$

CAS No.: 92704-41-1

Product Use: INDUSTRIAL FILLER AND EXTENDER

Supplier name: HENAN SUPERIOR ABRASIVES IMPORT AND EXPORT CO., LTD

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### Section 2: INGREDIENTS

Item	wt. %	CAS Registry#
Silicon Dioxide ( $\text{SiO}_2$ )	>54%	7631-86-9
Aluminum Oxide ( $\text{Al}_2\text{O}_3$ )	<43%	1344-28-1

### Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW White powder, Odorless Flash Point : Not Applicable

This product is not a fire or explosion hazard. May cause mechanical irritation to eyes.

ROUTES OF ENTRY

Eyes? No

Skin ? No

Inhalation? Yes

Ingestion? No

POTENTIAL HEALTH EFFECTS

Eye contact may cause mechanical irritation if exposed to large amounts of dust. Skin contact may cause irritation to respiratory tract and lung damage if exposure is repeated or prolonged.

Ingestion: no adverse effects expected.

## CHRONIC HEALTH HAZARDS

Prolonged inhalation of excessive levels of kaolin dust may cause a benign pneumoconiosis condition, not normally associated with a decrement in lung function. In cases of long term exposure to extremely high levels of dust, progressive fibrosis may occur with lung function impairment.

## Section 4: MEASURES

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EYE CONTACT : Flush eyes with plenty of water . if irritation develops, call a physician.

SKIN CONTACT: Procedures normally not needed. If skin contact occurs flush with plenty of water. If irritation develops, call a physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. INGESTION: if swallowed, induce vomiting immediately as directed by medical personnel.

## Section 5: FIRE FIGHTING MEASURES

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Flash Point : Not applicable

Auto-Ignition: Not applicable

### EXTINGUISHING MEDIA

Product will not burn. Use appropriate extinguishing media to extinguish combustible materials stored near-by.

### SPECIAL FIRE FIGHTING PROCEDURES

Wear positive-pressure self-contained breathing apparatus in fire conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS This product is not a fire or explosion hazard.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

## Section 7: STORAGE

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Material may be slippery when wet.

Store in a cool, dry location.  
Avoid breathing dust.  
Avoid contact with eyes.  
Use with adequate ventilation.

## Section 8: PROTECTION

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### RESPIRATORY PROTECTION

Use dust mask if exposure exceeds tlv.

### VENTILATION

General: local exhaust ventilation as necessary to control any air contaminants to within their pels or tlvs during the use of this product.

### PROTECTIVS EQUIPMENT

Safety glasses (with side shields).

## Section 9: PHYSICAL CHEMIACL PROPERTY

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Boiling Point	: Not determined
Melting Point	: Not determined
Vapor Pressure(mm Hg)	: Not applicable
Vapor Density	: Not applicable
Evaporation Rate (butyl acetated )	: Not applicable
Solubility in Water	: Insolubility
Specific Gravity (water=1)	: 2.63
Appearance	: White Powder
Odor	: Odorless
PH	: 6-8

## Section 10: REACTIVITY

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Stability: Stable

Avoid: None expected.

### INCOMPATIBILITY (Materials to avoid)

None expected.

### HAZARDOUS DECOMPOSITION OR BY-PRODUCTS

No hazardous decomposition or by products are expected.

POLYMERIZATION : polymerization will not occur.

Avoid: not applicable.

## Section 11: INFORMATION

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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

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No data available.

ENVIRONMENTAL FATE

## Section 13: DISPOSAL INFORMATION

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This product, if disposed as received is a non-hazardous waste, disposal/recycling/reclamation requirements will vary by location and type of disposal selected. Consult with state and local regulatory authorities.

Note: chemical additions, processing or otherwise altering this material may make the waste management information presented above incomplete, inaccurate or otherwise inappropriate. As local regulations may vary, all waste must be disposed / recycled / recycled/reclaimed in a accordance with federal, state, and , local environmental control regulations.

## Section 14: INFORMATION

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INTERNATIONAL

Un number: not regulated

## Section 15: INFORMATION

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Nothing

## Section 16: OTHER INFORMATION

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PREPARED INFORMATION

Prepared By : Technology Study and Develop DEPT..

Phone number: 0086-371-63898989

The information in this material safety data sheet 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 guidance of plant engineering, operations, and management and for persons working with or handling this

product. The information presented in the MSDS is premised upon proper handling and anticipated uses and is for the material without chemical additions/ alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is additionally, if this material safety data sheet is more than three years old, please contact the supplier at the phone number listed in section 1 to make certain that this sheet is current. Henan Superior Abrasives Import And Export Co., Ltd. license granted to make unlimited copies for internal use only.

Last updated: 10.05.2024

\*\*\*End of MSDS\*\*\*