



SHIJIAZHANG CHENSHI IMPORT AND EXPORT CO.,LTD.
NO.122 QILIAN STREET, GAOXIN DISTRICT, SHIJIAZHANG CITY, HEBEI, CHINA
Tel: 0086 311 85252218 Fax : 0086 311 85831105

Material Safety Data Sheet

1. PRODUCTION AND COMPANY IDENTIFICATION

Product Name	ALUMINIUM HYDROXIDE
Synonyms	Aluminum hydrate; Aluminum trihydrate; Hydrated alumina
Emergency Telephone Number	Company: SHIJIAZHANG CHENSHI IMPORT AND EXPORT CO.,LTD. Contact: Ms Nazly Tel:+86 18132602523
Application of Substance/ the preparation	Fire Retardant Fillers, ceramic , Solid Surface Fillers, Wire &Cable Compound Fillers, Raw Materials for PAC & Aluminum Sulphate

Contact Manufacturer:
CHINA CHALCO GROUP

2. HAZARDS IDENTIFICATION

a) Classification of hazard & danger	Not applicable
b) Warning label	Not applicable
c) Other hazard & danger except classification at section a) : NFPA index	Not applicable

EMERGENCY OVERVIEW: NON-COMBUSTIBLE

Eye contact	• Contact with eyes may cause irritation
Skin contact	• May cause eye/skin irritation
Inhalation	• May cause irritation of respiratory tract
Ingestion	• Ingestion may cause irritation to mucous membranes
Classification	• Not dangerous
Aggravated Medical Conditions	•Asthma • Lung irritation • Dermatitis
Canadian Hazard Symbol	• Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

Chemical Name	CAS-No	Weight %	EINECS
Aluminium hydroxide	21645-51-2	>99.5	244-492-7

4. FIRST AID MEASURES

General Advice	<ul style="list-style-type: none">• Show this safety data sheet to the doctor in attendance
Skin Contact	<ul style="list-style-type: none">• Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes• If skin irritation persists, call a physician
Eye Contact	<ul style="list-style-type: none">• Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes• If symptoms persist, call a physician
Inhalation	<ul style="list-style-type: none">• Move to fresh air• If breathing is difficult, give oxygen• If not breathing, give artificial respiration• Consult a physician if necessary
Ingestion	<ul style="list-style-type: none">• Clean mouth with water and afterwards drink plenty of water• Never give anything by mouth to an unconscious person• Do not induce vomiting without medical advice• Consult a physician

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	<ul style="list-style-type: none">• The product itself does not burn• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Special Protective Equipment	<ul style="list-style-type: none">• Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	<ul style="list-style-type: none">• Wear personal protective equipment• Avoid dust formation
Environmental Precautions	<ul style="list-style-type: none">• No special environmental precautions required
Methods for Clean-up	<ul style="list-style-type: none">• Take up mechanically and collect in suitable container for disposal

7. HANDLING AND STORAGE

HANDLING

Technical Measures/Precautions	<ul style="list-style-type: none">• No special handling advice required
Safe Handling Advice	<ul style="list-style-type: none">• Avoid dust formation in confined areas

STORAGE

TEST

Technical Measures/Precautions	<ul style="list-style-type: none">• Keep in a dry place
Incompatible products	<ul style="list-style-type: none">• No information available
Specific use(s)	<ul style="list-style-type: none">• None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Weight %	OSHA PEL	ACGIH TWA	MEL	Germany OEL (TWA)
Aluminium hydroxide	>99.5	= 15 mg/m ³ TWA total dust = 5 mg/m ³ TWA respirable fraction	10mg/m ³ TWA particulate matter containing no asbestos and < 1% crystalline silica	N/A	3.0 mg/m ³ 6.0 mg/m ³ (a)

GOEL - Germany - TRGS 900 - Occupational Exposure Limits - TWAs, (a) exempt facilities listed in 2.4(8) and (9)

Personal Protective Equipment

Respiratory Protection	<ul style="list-style-type: none"> • In case of insufficient ventilation, wear suitable respiratory equipment • When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
Hand Protection	<ul style="list-style-type: none"> • Wear suitable protective gloves
Eye/face Protection	<ul style="list-style-type: none"> • Tightly fitting safety goggles • Safety glasses with side-shields
Skin Protection	<ul style="list-style-type: none"> • No special protective equipment required
General Hygiene Considerations	<ul style="list-style-type: none"> • When using, do not eat, drink or smoke • Regular cleaning of equipment, work area and clothing
Environmental exposure controls	<ul style="list-style-type: none"> • No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Color	• White
Odor	• None
Physical State	• Powder
pH	• 8.5 - 10.2
Flash Point	• Not applicable
Autoignition Temperature	• Does not ignite
Boiling Point/Range	• Not determined
Melting Point/Range	• Decomposes before melting
Solubility	soluble in strong acids and strong bases
Density	2.42 g/cm ³
Bulk Density	0.15-1.3 g/cm ³
Risk of explosion	None

10. STABILITY AND REACTIVITY

Chemical Stability	• Stable under normal conditions
Conditions to Avoid	• No information available
Incompatible Materials	• No information available
Hazardous Decomposition Products	• Steam
Hazardous Polymerization	• Hazardous polymerisation does not occur
Possibility of Hazardous Reactions	Heating the material above 200 degree Celsius will result in a sudden release of water vapor (steam). Precautions must be taken to dissipate the vapor and any pressure that may be generated. A sudden increase in pressure could cause damage or explosion in enclosed equipment

11. TOXICOLOGICAL INFORMATION

Local effects

Skin irritation	• May cause skin irritation and/or dermatitis
Eye irritation	• Contact with eyes may cause irritation
Inhalation	• May cause irritation of respiratory tract
Ingestion	• Ingestion may cause irritation to mucous membranes
Additional advice	• The following toxicological data shown are those obtained from tests on products of similar composition (in accordance with EC-Directive 1999/45/EC): • No known effect

Long term effects

Eye Contact	• No information available
Skin Contact	• No information available
Ingestion	• No information available
Inhalation	• No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	• Not water endangering • (WGK: nwg)
Additional ecological information	• No information available

Chemical Name	CAS-No	Weight %	WGK Classification
Aluminium hydroxide	21645-51-2	>99.5	nwg

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	• Dispose of in accordance with local regulations
Contaminated Packaging	• Empty containers should be taken for local recycling, recovery or waste disposal
Further information	• Can be landfilled, when in compliance with local regulations

14. TRANSPORT INFORMATION

DOT	• Not regulated
ICAO	• Not regulated
IATA	• Not regulated
RID	• Not regulated
ADR	• Not regulated

15. REGULATORY INFORMATION

R -phrase(s)	• Not applicable
S -phrase(s)	• Not applicable
Symbol(s)	• Not applicable

U.S. Inventories

Chemical Name	TSCA	NJRTK	MRTKL	PARTK
Aluminium hydroxide	Present	N/A	N/A	N/A

International Inventories

Chemical Name	TSCA	DSL	EINECS	ENCS	IECSC	KECL	PICCS	AICS
Aluminium hydroxide	Present	Present	244-492-7	1-17	Present	KE-00980	Present	Present

16. OTHER INFORMATION

This data sheet is prepared by

SHIJIAZHANG CHENSHI IMPORT AND EXPORT CO.,LTD.

NO.122 QILIAN STREET, GAOXIN DISTRICT, SHIJIAZHANG CITY, HEBEI, CHINA

Revised June 1, 2010.