



洛阳建龙微纳新材料股份有限公司

Luoyang Jianlong Micro-Nano New Materials Co., Ltd.

Add: Junmin Rd., Ind. Cluster District, Yanshi, Henan, 471900, China.

Tel: +86-379-69895719 Fax: +86-379-69895717

Material Safety Data Sheet

Section 1 -Chemical Product And Company Identification

Product Name: Activated Alumina

Product Use: Desiccant

Manufacturer Identification:

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** SECTION 2 -COMPOSITION, INFORMATION ON INGREDIENTS **

CAS#	Chemical Name	%	EINECS#
1344-28-1	Aluminum oxide	>90	215-691-6

Hazard Symbols: None Listed. Risk Phrases: None Listed.

** SECTION 3 -HAZARDS IDENTIFICATION **

EMERGENCY OVERVIEW: Not available.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Chronic: Chronic exposure may cause lung damage.

** SECTION 4 -FIRST AID MEASURES ***

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately.

Notes to Physician: Treat symptomatically and supportively.

** SECTION 5 -FIRE FIGHTING MEASURES **

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.



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Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.

**** SECTION 6 -ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

**** SECTION 7 -HANDLING and STORAGE ****

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Storage: Store in a cool, dry place. Store in a tightly closed container.

**** SECTION 8-EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls: Use adequate ventilation to keep airborne concentrations low. Exposure Limits CAS# 1344-28-1:

Personal Protective Equipment

Eyes: Not available. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure. Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**** SECTION 9 -PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Powder Color: white Odor: Not available. pH: Not available. Vapor Pressure: Not available. Viscosity: Not available. Boiling Point: 2977 deg C @760mmHg Freezing/Melting Point: 2030 deg C Autoignition Temperature: Not available. Flash Point: Not available. Explosion Limits, lower: Not available. Explosion Limits, upper: Not available. Decomposition Temperature: Solubility in water: Specific Gravity/Density: Molecular Formula: Al₂O₃ Molecular Weight: 101.96

**** SECTION 10 -STABILITY AND REACTIVITY ****

Chemical Stability: Stable. Conditions to Avoid: Incompatible materials, exposure to moist air or water. Incompatibilities with Other Materials:

Ethylene oxide, halogenated agents, nitrates, oxygen difluoride, vinyl acetate.

Hazardous Decomposition Products: Aluminum oxide. Hazardous Polymerization: Will not occur. Toxicological:None.

**** SECTION 11 -TOXICOLOGICAL INFORMATION ****

RTECS#: CAS# 1344-28-1: BD1200000

LD50/LC50: Not available.

Carcinogenicity: Aluminum oxide



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Not listed by ACGIH, IARC, or NTP.

Other: See actual entry in RTECS for complete information.

**** SECTION 12 -ECOLOGICAL INFORMATION ****

**** SECTION 13 -DISPOSAL CONSIDERATIONS *****

Dispose of in a manner consistent with federal, state, and local regulations.

**** SECTION 14 -TRANSPORT INFORMATION ****

IATA Not regulated as a hazardous material.

IMO Not regulated as a hazardous material.

IMDG Not regulated as a hazardous material.

RID/ADR Not regulated as a hazardous material.

**** SECTION 15 -REGULATORY INFORMATION ****

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 1344-28-1:

Canada

CAS# 1344-28-1 is listed on Canada's DSL List.

CAS# 1344-28-1 is listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 1344-28-1 is listed on the TSCA inventory.

**** SECTION 16 -ADDITIONAL INFORMATION ****

MSDS Creation Date: 01/01/2020

last updated: 01/01/2020

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.