

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name(Chinese): 活性氧化铝干燥剂

Product Name(English): Al₂O₃ Desiccant

Corporation Name: Edmac (Shanghai) Trading Co., Ltd

Add: No.31 Chuanhui Road, Pudong, Shanghai Postcode: 201202

Email: ricky.shen@cn.atlascopco.com

TEL:086-4000861873

MSDS No.:

National emergency number:

Section 2 - Composition, Information on Ingredients

Sterling

Mixture

Chemical Name: CaO、SiO₂、Al₂O₃

Hazardous materials

Concentration

CAS No.

None

0

None

Section 3 - Hazards Identification

Invade Way:

Healthy Effect: A large amount inhalation of dust may cause discomfort in lungs and tracheal.

Environmental Effect: No harm, can be directly landfilled before and after use.

Fire Risk: unburnt

Section 4 - First Aid Measures

Skin Contacts: Immediately flush skin with plenty of water.

Eyes Contacts: Immediately flush eyes with plenty of water.

Inhalation:

Ingestion:

Section 5 - Fire Fighting Measures

Hazard Profile: No harm.

Harmful Burning Waste: None.

Extinguishing Media: /

Section 6 - Accidental Release Measures

Emergency Treatment:

Section 7 - Handling and Storage

Handling: Operators should wear masks and pay attention to the dust.

Storage: Avoid damage and wet during the process of storage, separated from acidic chemicals.

Section 8 - Exposure Controls, Personal Protection

Threshold limit value:

Inspect Method:

Engineering Control:

Respiratory protection: Wear masks and pay attention to the dust.

Eye Protection: Pay attention to the dust.

Body Protection: Wear common work clothes.

Hand Protection: Wear common canvas gloves.

Other Information:

Section 9 - Physical and Chemical Properties

Appearance and Characters: White spherical solids $\Phi 4 \sim 6$ Intensity: $\geq 140\text{N/star}$, wear-resistance $\geq 99.5\%$ (wt)

Melting point (°C): _____ Relative Density(water=1):
0.66±0.03

Boiling Point(°C): _____ Relative Density of Stream(air=1):

Saturated Vapor Pressure (kPa): _____ Combustion Heat (kJ/mol):

Critical Temperature (°C): _____ Critical Pressure (MPa):

Octanol/water partition coefficient of value :

Flash Point(°C): _____ Lower Explosive Limit %(V/V): _____ Ignition Temperature

(°C): _____ Upper Explosive Limit

%(V/V):

Solubility: Poorly soluble in water.

Main Uses: Petroleum, chemical industry, textile, oxygen industries and automated instrument air drying.

Section 10 – Stability and Reactivity

Chemical Stability: stable.

Materials to avoid:

Conditions to Avoid: None.

Hazardous Polymerization: Has not been reported.

Hazardous Decomposition Products: Has not been reported.

Section 11 - Toxicological Information

Acute: None.

Acute poisoning: None.

Chronic poisoning: Prolonged inhalation of excessive dust could result in silicosis.

Irritation: None.

Subacute and chronic: None.

Mutagenicity: None.

Teratogenicity: None.

Carcinogenicity: None.

Section 12 - Ecological Information

Ecotoxicity:

Biodegradability: Inorganic, non-degradable.

Non-biodegradable: Inorganic, non-degradable.

Bioaccumulation: No enrichment.

Section 13 - Disposal Considerations

Waste properties: No hazard salts.

Waste Disposal Method: Direct landfill.

Section 14 - Transport Information

Hazard Item Number:

UN Number:

Packing Mark: Moistureproof.

Packing Category:

Packing Method: Woven bag lined with plastic bag.

Section 15 - Regulatory Information

None.

Section 16 - Additional Information

References:

Department: Edmac (Shanghai) Trading Co., Ltd

Data Audit Unit: Institute of Adsorption & Separation Technology, Nanjing University of Technology.

Edit Description: