

Reviewed: June 2023

# SAFETY DATA SHEET

## REFERENCE MATERIAL IMS-135

### ALPHA ALUMINA POWDER

#### 1. Identification of Substance:

##### Product Details:

**Trade Name:** ALPHA ALUMINA POWDER

##### Supplier:

Independent Mineral Standards Pty Ltd  
ABN 37 158 615 395

16 Durham, Road  
Bayswater WA 6053  
PH +61 8 61557616  
[enquiries@imstandards.com.au](mailto:enquiries@imstandards.com.au)

#### 2. Hazard identification:

**Not classified as hazardous according to criteria of Worksafe Australia Hazard designation:** Void

**Information pertaining to particular hazards for man and environment:** Void

##### Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 3. Typical Composition/Data on components:

CAS No: 1344-28-1  
EC No: 215-691-6

**Chemical Characterization:** Aluminum Oxide % Al<sub>2</sub>O<sub>3</sub> > 98.0

### 4. First Aid Measures:

**General Information:** No specific measures required.  
**After Inhalation:** Supply fresh air, consult doctor in case of symptom.  
**After Skin Contact:** Instantly wash with water and soap and rinse thoroughly. The product is not skin irritating.  
**After eye contact:** Rinse opened eye for several minutes under running water.  
**After Swallowing:** Extreme cases seek medical help immediately, **call 000** Emergency. In case of persistent symptoms consult your doctor.

### 5. Fire fighting measures:

**Protective equipment:** No specific measures required. Material not flammable.

### 6. Accidental Release measures:

**Person related safety precautions:** Avoid causing dust.  
**Measures for environmental protection:** No specific measures required.  
**Measures for cleaning/collecting:** Collect mechanically.  
**Additional Information:**  
No dangerous materials are released.  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### 7. Handling & Storage:

#### Information for safe handling

Ensure good ventilation / local exhaust at the workplace in the case of operations generating dust.  
Avoid creating dusty conditions.  
Avoid inhalation and skin and eye contact.  
Wear appropriate personal protective equipment

### **Information about protection against explosions and fires**

Material is non-explosive and not subject to fire hazard.

### **Storage**

**Requirements to be met by storerooms and containers:** Where possible store in enclosed containers to limit dust concentrations

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

## **8. Exposure controls and personal protection:**

### **Additional information about design of technical systems:**

No further data; see item 7.

### **Components with critical values that require monitoring at the workplace:**

#### **Additional Information:**

The lists that were valid during the compilation were used as basis.

### **Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures should be adhered to in handling the material.

**Breathing Equipment:** Use breathing protection in case of insufficient ventilation. Filter P1.

**Protection of hands:** Protective gloves.

**Eye protection:** Safety glasses.

**Body protection:** Protective work clothing.

## **9. Physical and chemical properties:**

**Form:** Powder / grit

**Colour:** White

**Smell:** Odourless

### **Change in Condition:**

**Melting Point:** 2050 Deg. C

**Specific Gravity:** 3.95 – 4.0

**Vapour Density:** Not applicable

**Vapour Density( air=1):** Not applicable

**Evaporation rate:** Not applicable

**Flash Point:** Not applicable.  
**Flammability(solid,gaseous):** Not applicable.  
**Critical Value for explosion:** Not applicable.  
**Solubility in Water/ Miscibility with Water:** Insoluble.

## 10. Stability and reactivity:

**Thermal Decomposition/Conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions:**

No dangerous reactions known.

**Dangerous products of decomposition:**

No dangerous decomposition products known.

## 11. Toxicological information:

**Primary irritant effect**

**On the skin:** No irritant effect.

**On the Eye:** Eye exposure (to dust) may product irritation.

**Sensitization:** No sensitizing effect known.

**Additional toxicological information:**

As with any nuisance dust, long term exposure to concentrations of dust above The recommended exposure level may overload lung clearance mechanism and Cause adverse lung effects.

## 12. Ecological Information

**Ecotoxicological effects**

**Aquatic toxicity:**

No effect on marine life.

**General notes:**

Not hazardous for water.

## 13. Disposal considerations:

**Product:**

**Recommendation:**

Must be specially treated under adherence to official regulations.

**Waste disposal key number:** not determined.

**Uncleaned packaging:**

**Recommendation:**

Dispose of packaging to regulations on the disposal of packaging.

## 14. Transport Information:

### Transport/Additional Information:

Not dangerous according to transport specifications.

## 15. Regulatory information:

### Designation according to EC guidelines:

Observe the normal regulations.

The product is not subject to classification according to EC Directives/relevant National laws.

### National Regulations:

### Water hazard class:

Water hazard class 0: Not hazardous for water.

## 16. Other Information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Contact:

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