

MATERIAL SAFETY DATA SHEET**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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CHEMICAL NAME: Aluminium Oxide

PRODUCT: DRY POWDER ALPHA ALUMINA

PRODUCT NUMBERS: 15 99 80 – 15 99 83

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NATURE: Aluminium Oxide Powder

INGREDIENT (S):	CAS NUMBER:	%:	HAZARD SYMBOL:	R PHRASES:
Aluminium Oxide	1344-28-1	100		

3. HAZARDS IDENTIFICATION

May cause irritation of respiratory tract and eyes

4. FIRST AID MEASURES

GENERAL INFORMATION: Remove contaminated or saturated clothing immediately.

INHALATION: Remove to fresh air. In case of irritation to respiratory system, seek medical attention.

SKIN: When contact with skin, rinse with soap and water.

EYE: Irrigate with eyewash solution or clear water, holding the eyelids apart, for at least 5 minutes. Obtain immediate medical attention.

INGESTION: Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.

Obtain medical attention. Never give anything by mouth to an unconscious person. Call a doctor.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry Sand, foam, dry powder or CO₂. Water.

UNSUITABLE EXTINGUISHING MEDIA:

FIRE FIGHTING PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

FURTHER INFORMATION:

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation. Do not breathe the powder. Avoid contact with skin, eyes and clothing.

ENVIRONMENTAL PRECAUTIONS: Not a hazard to the environment.

METHODS OF CLEANING UP: Pick - up mechanically. Dispose of absorbed material in accordance with regulations.

7. HANDLING AND STORAGE

MATERIAL SAFETY DATA SHEET

HANDLING: Provide exhaust ventilation if dust is formed. Suitable industrial vacuum cleaners or central exhaust ventilation equipment must be used for taking up dust

STORAGE: Keep only in original container. Store in cool, dry place away from heat, sparks, flame and direct sunlight.
Keep container closed to prevent water absorption and contamination. Keep away from sources of ignition – No Smoking.

INDUSTRIAL HYGIENE PRACTICES: Wash face and hands thoroughly with the soap and water after use and before eating, drinking, smoking or applying cosmetics.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

CAS No:	Material	Type	Value	Unit
1344-28-1	Al ₂ O ₃	TVL(TWA)	10 mg/	m ³

ENGINEERING MEASURES: No special precautions required.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORS: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. A suitable mask with filter type A may be appropriate. In the event of formation of particularly high levels of dust a self-contained breathing apparatus may be appropriate.

EYE PROTECTION: Safety glasses or chemical splash goggles.

GLOVES: Wear suitable gloves. PVA/Polyethylene laminate and supported PVA gloves offer the best protection. Gloves should be changed regularly and if excessive exposure has occurred.

OTHER: Wear suitable protective clothing.

PROTECTIVE MEASURES: Do not breathe vapours/dust. Avoid contact with skin, eye & clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powder
COLOUR:	White
ODOUR:	None
PH	NA at 20 °C
BOILING POINT:	NA °C
MELTING POINT:	>2000 °C
THERMAL DECOMPOSITION:	NA °C
IGNITION TEMPERATURE:	NA °C
VAPOUR PRESSURE:	NA at 20 °C
DENSITY:	NA g/cm ³
WATER SOLUBILITY:	Insoluble

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (MATERIALS TO AVOID): None. Slightly soluble in acids and alcohols.

HAZARDOUS DECOMPOSITION PRODUCTS:

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: NA

ACUTE DERMAL TOXICITY:

EYE IRRITATION: Slight

SKIN IRRITATION: NA

MATERIAL SAFETY DATA SHEET

SENSITISATION: May cause irritation of respiratory tract and eyes.

12. ECOLOGICAL INFORMATION

EXOTOXICITY EFFECTS: Insoluble, settles easily. Inert mineral product.

FURTHER INFORMATION ON ECOLOGY: None

13. DISPOSAL CONSIDERATIONS

PRODUCT: Can be eliminated with regular industrial wastes.

PACKAGING: Empty and possibly wash with water before recycling.

14. TRANSPORTATION

LAND TRANSPORT:

ADR

REGULATION: Not dangerous goods – full transport

RID:

REGULATION: Not dangerous goods – full transport

AIR TRANSPORT –

IATA CLASS:

REGULATION Not dangerous goods – full transport

OCEAN TRANSPORT –

IMDG CLASS:

REGULATION Not dangerous goods – full transport

15. REGULATORY INFORMATION

EC REGULATIONS –

EINECS: all chemical listed

EEC Classification:

Risk Phrases:

Safety Phrases:

HAZARDOUS COMPONENTS WHICH MUST BE LISTED ON THE LABEL:

NATIONAL LEGISLATION:

NOTIFICATION STATUS: EINECS Not Required
TSCA

16. ADDITIONAL INFORMATION

This data sheet was prepared in accordance with Directive 91/155/EEC.

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