Anoop Ceramics
Accuracy • Adaptability • Assurance

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification			
Product name:	Spray Dried Alumina Powder	Chemical name:	Aluminium oxide
Supplier:	Anoop Ceramics [ISO 9001: 2008 certified] No 17/1-2, 1st Division, Yeshwanthpur, Bengaluru - 560022, Karnataka | INDIA Direct: +91 (80) 23371467, +91 (80) 23478329 Fax: +91 (80) 23370958 Mobile: +91 8884915180 Email: info@anoopindia.com Skype: anoopceramics Website: www.anoopceramics.com		In case of emergency call: +91 8884915180
Synonym:	"Ready to process" alumina powder (grades vary upon request).		
Material Use:	For forming pressed compacts and fired ceramic components.		
Date Prepared:	November 5th, 2014	Revision:	1
Prepared by:	Anoop Ostawal		

Section 2: Composition and Information			
Name:	CAS No.:	% By weight:	Remarks:
Aluminium Oxide	1344-28-1	> 85%	10 mg/m3TWA matter containing <1% crystalline silica.
Organic binders		3-10 %	Proprietary, but not hazardous.
Oxide additives		0.2-15 %	Proprietary

Section 3:			
Hazards identification			
Emergency Overview:			
Production poses dust or machining swarf that may cause irritation to eyes, nose, throat and/or skin.			
Health rating:	Flammability rating:	Reactivity rating:	Contact rating:
2 - Moderate	0 – None	0 - None	2 - Moderate
Lab protective equipment:		Eye protection and proper dust collection if machining occurs.	
Storage Colour Code:		Green (General Storage)	
Potential Health Effects			
Inhalation:	Hazard is principally that of a nuisance dust only as a by-product of machining. Coughing or shortness of breath may occur in cases of excessive inhalation.		
Ingestion:	No adverse effects expected.		
Skin Contact:	No adverse effects expected.		
Eye Contact:	No adverse effects expected but dust may lead to irritation.		
Chronic Exposure:	Chronic exposure may lead to pneumoconiosis and dermatitis.		
Aggravation of pre-existing conditions:	Not expected to be a health hazard.		

Section 4: First Aid Measures	
Inhalation:	Move to fresh air and consult with local medical personnel if discomfort persists.
Ingestion:	Administer water to dilute, but not if person is unconscious. Consult with local medical personnel if discomfort persists.
Eye contact:	Flush with tepid water for a minimum of 15 minutes and consult with local medical personnel if discomfort persists.
Skin contact:	Wash affected area with soap and water and consult with local medical personnel if irritation persists.

Section 5: Fire-Fighting Measures	
Fire:	Not considered a fire hazard.
Explosion:	Not considered an explosion hazard.
Fire extinguishing Media:	Use any means suitable for extinguishing fire.
Special Information:	Use protective clothing and breathing equipment appropriate for the surrounding fire and to protect against the dust that may be dispersed in the air.

Section 6: Accidental Release Measures
Ventilate area of leak or spill and wear appropriate personal protective equipment as specified in Section 8. Sweep up any spills and place in containers for disposal or reclaim. Vacuuming or wet sweeping may be used to avoid excessive dust.

Section 7: Handling and Storage
Store in a cool dry place. Any dust should be sponge mopped.

Section 8: Exposure controls and personal protection	
Airborne exposure limits:	10 mg/m3 TWA matter containing < 1% crystalline silica (only applicable if dust is generated from machining)
Ventilation system:	Local or general exhaust ventilation recommended.
Personal respirators (Niosh approved):	NIOSH/MSHA approved respirator for dust when exposure limit is exceeded.
Skin protection:	Polymer gloves for prolonged dust exposure.
Eye protection:	Safety goggles in the presence of airborne dust.

Section 9: Physical and Chemical Properties			
Appearance:	White or ColoredFlowable Powder	pH:	N/A
Odour:	Odourless	Boiling point:	N/A
Solubility:	Organic Portion Soluble in Water	Melting point:	1871-2038ºC (3400-3700ºF)
Specific gravity:	>0.8 g/cc	Vapour pressure/ Vapour density:	N/A

Section 10: Stability and Reactivity			
Chemical stability:		Stable	
Hazardous Decomposition:		CO and CO2 in a fire and at temperatures >220ºC (428ºF).	
Conditions to Avoid:		Certain extreme acidic conditions (consult manufacturer for cautionary advice).	
Incompatibilities:	N/A	Hazardous Polymerization:	N/A

Section 11: Toxicological Information
N/A

Section 12: Ecological Information
N/A

Section 13: Disposal considerations
This material is not hazardous. Consultation with local officials is recommended before disposal.

Section 14: Transport Information
Not regulated.