



Matrix Global Speciality
Catalyzing Performance

MATRIX GLOBAL SPECIALITY PVT. LTD.

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Pseudoboehmite Alumina

H.S. Code: 28183000

C.A.S. No. : 1318-23-6

Material Safety Data Sheet

Section 1 : Chemical Product and Company Identification	
1) Common Name / Trade Name :	PSEUDOBOEHMITE ALUMINA / DISPERSIBLE ALUMINA
2) Product Code :	01, 03, 04, 05, DiCat 50, DiCat 90 BG & DiCat 90 HD
3) Manufacturer :	Matrix Global Speciality Pvt. Ltd. D-8/1, Paithan MIDC, Aurangabad – 431148. (M.S.) India.
4) Commercial Name(s) :	PSEUDOBOEHMITE ALUMINA / DISPERSIBLE ALUMINA
5) Synonym :	Alumina Mono Hydrate, Aluminium Hydroxide Oxide.
6) Chemical Name :	ALUMINIUM MONO HYDRATE
7) Chemical Family :	Extended Pigments
8) Chemical Formula :	AIO (OH)
9) Molecular Weight :	59.99
10) CAS No. :	1318-23-6
11) H.S.Code No. :	28183000
12) EINECS :	244-492-7
Section 2 : Composition and Information on Ingredients	
1) Name :	PBA M 01, 03, 04, 05, DiCat 50, DiCat 90 BG, DiCat 90 HD
2) CAS No. :	1318-23-6
3) Exposure Limits	
a) Eye Contact :	Can cause severe irritation.
b) Skin Contact :	Can cause irritation.
c) Ingestion :	Can cause irritation.
d) Inhalation :	Can cause irritation of Upper Respiratory Tract.
4) Toxicological Data on Ingredients	
a) LD50 :	Not available
b) LC50 :	Not available
Section 3 : Hazards Identification	
1) Potential Acute Health Effects :	May cause irritation in case of skin contact or eye contact.
2) Potential Chronic Health Effects :	
a) Carcinogenic Effects :	Not available
b) Mutagenic Effects :	Not available
c) Teratogenic Effects :	Not available
d) Developmental Toxicity :	Not available
	Low health risk by inhalation. Generally consider to be biologically inert.

Section 4 : First Aid Measures	
Eye Contact :	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention.
Skin Contact :	In case of contact, wash skin with plenty of water / soap. Consult a Doctor if irritation persists. Get medical attention.
Inhalation :	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If unconscious or severely injured, check for clear airway, Breathing & presence of pulse. Get medical attention.
Ingestion :	If swallowed, dilute by drinking large amounts of water or milk. Do not induce vomiting. Call a Physician immediately.

Section 5 : Fire and Explosion Data	
Flammability of the Product :	Non-combustible.
Auto-Ignition Temperature :	Not available.
Flash Points :	Not available.
Flammable Limits :	Not available.

Section 6 : Accidental Release Measures	
Person Related Safety Precautions	: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
Measures for Environmental Protection	: Do not allow material to be released to the environment without proper governmental permits. Recover spills for reuse.
Measures for Cleaning / Collecting	: Pick up mechanically.

Section 7 : Handling and Storage	
Storage and Loading Precautions	: Keep away from eye and skin contact. Place in closed containers / bags. Keep away from food. If contacted wash thoroughly.
Handling	: Keep container tightly closed. Store in a cool, dry place in tightly closed containers / bags. Ensure good ventilation at the workplace. Open and handle container with care. Avoid generating dust.

Section 8 : Exposure Controls / Personal Protection	
Engineering Controls	: Use with adequate ventilation wherever necessary.
Personal Protection	: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested respiratory protection: N95.
Eye Protection	: Wear safety goggles and face shield to avoid direct contact with eyes and face.
Skin Protection	: Wear impervious gloves to avoid direct skin contact.
Others	: Exposure Guidelines: A) General Product Information: Not available. B) Component Exposure Limits: ACGIH and OSHA have not developed exposure limits for any of this product's components.

Section 9 : Physical and Chemical Properties	
Appearance	: White free-flowing powder, solid.
Molecular Weight	: 59.99
PH	: Range: 6.8 to 9
Boiling Point	: Not applicable.
Melting Point	: 3700 ⁰ F (2038 ⁰ C)
Freezing Point	: Not applicable.

Section 9 : Contd...	Physical and Chemical Properties
Odor	: Odorless.
Evaporation Density	: Not available.
Evaporation Rate	: Not available.
Solubility in Water	: Insoluble.
Bulk Density	: 0.4- 0.6 Gm/cc

Section 10 :	Stability and Reactivity Data
Stability	: Stable under normal conditions of use, storage and transportation.
Instability Reasons	: Concentrated acids and alkalis.
Polymerization	: None.
Unstability Conditions & Materials	: Acids. Decomposition will not occur if used and stored according to specifications.
Dangerous Products of Decomposition	: Heating the material above 200 ⁰ C will result in a sudden release of water vapor (steam). Precautions must be taken to dissipate the vapor and any pressure that may be generated. A sudden increase in pressure could cause damage or explosion in enclosed equipment.

Section 11:	Toxicological Information
Additional Remarks	The product itself has not been tested. Data for a pure Alumina product are provided below:
Acute dermal toxicity	L D 50 rabbit: > 2,000 mg/Kg practically non-toxic
Acute inhalation Toxicity	rat (4 hours) Inhalation of fine particles (6-8 microns in diameter) of Alumina by rats for 4 hours resulted in no signs of toxicity.
Acute oral toxicity	LD 50 rat: > 5,000 mg/kg Practically non-toxic
Skin Corrosion/irritation	Primary irritation (rabbit) : 0.0 (Max.score is 8.0) Not a primary skin irritant.
Eye damage/irritation	Primary irritation (rabbit): 7 (Max. score is 110.) Minimally irritating
Respiratory or skin Sensitization	No Data Available
Germ cell mutagenicity	Genotoxicity in vitro: No data available Genotoxicity in vivo: No data available Assessment Mutagenicity: No data available
Reproductive toxicity	Reproductive toxicity: No data available Assessment reproductive toxicity: No data available Teratogenicity: No data available Assessment Teratogenicity: No data available
STOT – Single exposure	No data available
STOT – repeated exposure	No data available
Aspiration toxicity	No data available
Carcinogenicity	Assessment Carcinogenicity: contains no ingredients listed as a carcinogenic.

Section 12:	Ecological Information
Do not allow material to be released to the environment without proper governmental permits.	

Section 13:	Disposal Considerations
Waste Disposal	: Reuse or Recycle material wherever possible. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14:	Transport Information
DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

Notes: (1) When “Not regulated” enter the proper freight classification, Product Name on the Shipping documents.

Section 15:	Regulations
US Federal Regulations:	
A) General Product Information: In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.	
B) Component Analysis: None of the components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).	
C) SARA 311/312 Physical and Health Hazard Categories:	
Immediate (acute) Health Hazard : Yes	
Delayed (chronic) Health Hazard : No	
Fire Hazard : No	
Sudden Release of Pressure : No	
Reactive : No	

Section 16:	Other Information
Employers should use this information only as a supplement to other information gathered by them, and should make independent judgments of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.	
Note: <i>All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Matrix Global Speciality Pvt. Ltd. assumes no responsibility for the completeness or accuracy of the information contained herein.</i>	