



MATERIAL SAFETY DATA SHEET

COMPLIES WITH: OSHAS'S Hazard communication standard

1. Identification of the substance/preparation and Use

PRODUCT NAME : KAOLIN USP		REVISION	
IDENTITY : Hydrated Aluminium Silicate		CAS NUMBER : 1332-58-7	
MANUFACTURER : M/s. BESCOAT		SUPPLIER	
ADDRESS : KANHANGAD, KERALA Pin - 671 531, INDIA		ADDRESS	
CITY: Kanhangad	STATE : Kerala Taxes	CITY	STATE
ZIP CODE	TELEPHONE NUMBER: 91-467 2240571, 2240641	ZIP CODE	TELEPHONE NUMBER
USES Rheological Additive			

2. Composition/information on ingredients: $Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$

3. Hazards Identification- Non Hazardous Material

<i>HAZARDOUS MATERIALS</i>	%	CAS NUMBER	LD 50 OF MATERIAL (SPECIFY SPECIES & ROUTE)	LC 50 OF MATERIAL (SPECIFY SPECIES)
Crystalline Silica	0.04	61790-53-2	Not Available	Not Available

This product contains less than 0.1% crystalline silica (quartz) based on testing using NIOSH method 7500



8. Exposure controls/personal protection

Exposure Limits:			
	Value	Limit	Reference
Kaolin	2 mg/m ³ (Respirable dust)	TWA (8 hour)	ACGIH TLV(-A4)
CAS# 1332-58-7	15 mg/m ³ (Total dust)	TWA (8 hour)	OSHA PEL
	5 mg/m ³ (Respirable dust)	TWA (8 hour)	OSHA PEL
	10 mg/m ³ (Total dust)	TWA (10 hour)	NIOSH REL
	5 mg/m ³ (Respirable dust)	TWA (10 hour)	NIOSH REL

Notes- (-A4) This indicates that kaolin is "Not Classifiable as a Human Carcinogen" by ACGIH.
This product contains less than 0.1% crystalline silica (quartz) based on testing using NIOSH method 7500.

PERSONAL PROTECTIVE EQUIPMENT : Normal protection for dust		
GLOVES (SPECIFY) Not required	RESPIRATORY Approved dust respirator	EYE : safety glasses or Goggles
FOOTWEAR (SPECIFY) Not required	CLOTHING (SPECIFY) Not required	OTHER (SPECIFY) Not required
ENGINEERING CONTROLS (SPECIFY E.G. VENTILATION ENCLOSED PROCESS)		

9. Physical and chemical properties

PHYSICAL STATE Solid	ODOUR AND APPEARANCE: Odorless White/Off White Powder	ODOUR THRESHOLD (PPM) Not applicable
SOLUBILITY IN WATER (20° c) Moderate	SPECIFIC GRAVITY 2.6	CORFF. WATER OIL DIST. Not applicable
BOILING POINT (c) Not applicable	VAPOUR DENSITY Not applicable	EVAPORATION RATE Not applicable
FREEZING POINT Not applicable		



10. Stability and reactivity

CHEMICALLY STABLE	: YES IF NO, UNDER WHICH CONDITIONS
COMPATIBLE WITH OTHER SUBSTANCES	: YES IF NO, WHICH ONES?
REACTIVITY, AND UNDER WHAT CONDITIONS	: Contact with strong Acids
HAZARDOUS DECOMPOSITION PRODUCTS	: Reacts with Acids to Produce Carbon Dioxide

11. Toxicological information

General Information: This product has low toxicity only large volumes may have adverse impact on human health

SKIN CONTACT	: Prolonged contact may cause dryness of the skin		
EYE CONTACT	: Particles may cause irritation		
INHALATION	: Dust in high concentrations may irritate respiratory system.		
INGESTION	: No harmful effects expect in amounts ingested by accident.		
EFFECTS OF ACUTE EXPOSURE TO MATERIAL Not available		EFFECTS OF CHRONIC EXPOSURE TO MATERIAL. Chronic Exposure to any dust may cause respiratory problems	
MUTAGENICITY OF MATERIAL Not available	TERATOGENICITY OF MATERIAL Not available	EXPOSURE LIMIT OF MATERIAL 5.0 mg/M3 Respirable dust	IRRITANCY OF MATERIAL Not available
SENSITIZING CAPABILITY OF MATERIAL Not available	CARCINOGENICITY OF MATERIAL Non carcinogenic	REPRODUCTIVE EFFECT OF MATERIAL Not available	SYNERGISTIC MATERIALS Not available

12. Ecological information

Ecotoxicity effects: No known effects on environment are expected under normal use.