

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

IDENTITY: (As used on Label and List) ALPHASORB 2	NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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SECTION I

Manufacturers Name: ALPHASORB TECHNOLOGIES (PTY) LTD	Emergency Telephone Number: +27 11 394 3314
Address: (Number, Street, City, State & Zip Code) 76 RIGGER ROAD	Telephone Number for Information: +27 11 394 3383
1620 SPARTAN	Date Prepared: August 30, 2010
SOUTH AFRICA	Name of Preparer: DIANA VERBEKE

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Names)	OSHA PEL	ACGIH TLV	COMPOSITION
ALUMINIUM OXIDE (ACTIVATED) CAS NUMBER: 1344-28-1	15 mg/m ³ (TWA)	10 mg/m ³ (TWA)	72-78%
POTASSIUM PERMANGANATE CAS NUMBER: 7722-64-7 KMNO ₄	5 mg/m ³ (TWA)	5 mg/m ³ (TWA)	4-8%
SODIUM BICARBONATE CAS NO: 144-55-8			

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity:	3.2
Vapour Pressure (mm Hg.)	N/A	Melting Point:	2050°C
Vapour Density (Air = 1)	N/A	Evaporation Rate:	N/A
Solubility in water: INSOLUBLE			
Appearance and Odour: PURPLE SPHERES - NO ODOUR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: (Method Used) NOT FLAMABLE	Flamable Limits: NONE	LEL N/A	UEL N/A
Extinguishing Media: FOAM, CARBON DIOXIDE OR DRY CHEMICAL			

SECTION V - REACTIVITY DATA

Stability: STABLE	Conditions to avoid: NONE
Incompatibility (Materials to avoid): STRONG REDUCING AGENTS AND EASILY OXIDIZING AGENTS	
Hazardous Decomposition or By-products: NONE	
Hazardous Polymerisation: WILL NOT OCCUR	Conditions to avoid:

SECTION VI - HEALTH HAZARD DATA

Routes of entry:	Inhalation: YES	Skin: YES	Ingestion: YES
Health Hazards (Acute and Chronic): ACUTE - MAY BE IRRITATING TO BODY TISSUE CHRONIC - NO KNOWN CHRONIC HEALTH HAZARDS			
Carcinogenicity:	NTP:	IARC Monographs:	OSHA Regulated:
	NOT CLASSIFIED	NOT CLASSIFIED	NOT CLASSIFIED
Signs & Symptoms of Exposure: IRRITATION OF THE EYES AND MUCOUS MEMBRANES - CAUSES SNEEZING			
Medical Conditions Generally Aggravated by Exposure: IRRITATION OF OPEN WOUNDS OR BURNS			
Emergency and First Aid Procedures: EYES - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES - SEEK MEDICAL HELP IMMEDIATELY INGESTION - GIVE LARGE QUANTITIES OF WATER SKIN - WASH WITH PLENTY OF WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS			

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: SWEEP OR SHOVEL MATERIAL AND DISCARD IN PROTECTED REFUSE CONTAINER. TO CLEAN FLOORS, FLUSH WITH WATER IF ALLOWED BY LOCAL REGULATIONS.
Waste Disposal Method: NEW MATERIAL MAY BE DISPOSED OF IN A LANDFILL. USED MATERIAL THAT HAS BEEN EXPOSED TO TOXIC CHEMICALS SHOULD BE EXAMINED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL REGULATIONS
Precautions to be taken in handling and storing: HANDLE IN ACCORDANCE WITH CONTROL MEASURES - STORE IN SEALED CONTAINER IN A COOL DRY LOCATION.
Other Precautions: NONE

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): USE APPROVED RESPIRATORY PROTECTION IF EXPOSURE LIMITS ARE EXCEEDED	
Ventilation:	Local Exhaust: RECOMMENDED IF DUSTING IS EXCESSIVE
	Mechanical (General): REQUIRED Special: NONE
	Eye Protection: FACE SHIELD OR GOGGLES
Protective Gloves: RUBBER GLOVES RECOMMENDED	Other: NONE
Other Protective Clothing or Equipment: NORMAL WORK CLOTHING COVERING ARMS AND LEGS	
Work Hygiene Practices: REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-USE. WASH WITH SOAP AND WATER BEFORE EATING AND DRINKING. EYE BATH RECOMMENDED	