UNIVERSAL PHOTONICS INCORPORATED

85 Jetson Lane, Central Islip, NY 11722
516.935.4000 • fax 516.935.4039
www.universalphotonics.com
Advanced Surfacing Products & Technology

Safety Data Sheet: Rhodax Alumina Polishing Powder

SECTION 1: CHEMICAL PRODUCT & COMPANY INFORMATION

APPLICABLE PART #: **AK Series**

IDENTITY: **Rhodax Alumina Polishing Powder**

SUPPLIER: **Universal Photonics, Inc.**
85 Jetson Lane
Central Islip, NY 11722

FOR INFORMATION CALL
CUSTOMER SERVICE **(516) 935-4000**
DATE PREPARED: **October 12, 2015**

EMERGENCY TELEPHONE NUMBER: **1.866.519.4752** **3-E COMPANY - ACCT # 3665**

SECTION 2: HAZARDS IDENTIFICATION

Not classified as a dangerous substance or mixture according to GHS ST/SG/AC.10/30/Rev.5

Not classified under EU Directives and The Ordinance on Hazardous Materials (GefStoffV).

Symbols: **None**

Signal Word: **None**

Hazard Statement: **None**

Precautionary Statements

P261: **Avoid breathing dust, fumes, gas, mist, vapors, spray**

P280: **Wear protective gloves/protective clothing/eye protection/face protection**

P284: **In case of inadequate ventilation wear respiratory protection**

P302 + P353 IF ON SKIN: **Rinse skin with water**

P305 + P351 IF IN EYES: **Rinse cautiously with water for several minutes**

SECTION 3: COMPOSITION INFORMATION

Component	CAS No.	EINECS No.	Wt. %
Aluminum Oxide (AL_2O_3)	**1344-28-1**	**215-691-6**	**> 99.9**

SECTION 4: FIRST AID MEASURES

This material is believed to be a low health risk. Treat as a nuisance dust as specified by OSHA (Occupational Safety and Health Association).

Eyes: **Safety goggles recommended. May cause minor eye irritation. Rinse eyes with water for 20 to 30 minutes, retracting eyelids often. Obtain medical attention if pain, blinking, tears or redness persists.**

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SKIN: **Rubber gloves recommended. May cause drying of skin. Otherwise, this material is not expected to be a skin irritant; no known human or animal health effects data.**

INHALATION: **Excessive exposure may cause cough, mucus production, shortness of breath. Remove victim to fresh air immediately. Obtain medical attention if breathing difficulty persists beyond 15 minutes.**

INGESTION: **This material is not expected to be an ingestion hazard; no known human or animal health effects data.**

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: **N/A**

EXPLOSIVE POTENTIAL: **N/A**

FLAMMABLE LIMITS: **N/A**

EXTINGUISHING METHOD: **N/A**

AUTO-IGNITION TEMP.: **N/A**

SPECIAL FIRE FIGHTING PROCEDURES: **Wear protective equipment to avoid contact with body or inhalation of mist or dust. Use self-contained breathing apparatus to avoid dust or fumes generated during fire fighting.**

SECTION 6: ACCIDENTAL RELEASE MEASURES

PRODUCT CLEAN-UP: **Sweep or scoop up material.**

DISPOSAL: **Disposal should be in accordance with all applicable local, state and federal laws and regulations. Disposal by ordinary waste methods is recommended, if permissible. Consult your regulatory officials for information regarding disposal requirements.**

SECTION 7: HANDLING & STORAGE

HANDLING: **Avoid contact with eyes and skin.**

STORAGE: **Keep material in closed containers.**

SECTION 8: PERSONAL PROTECTION AND EXPOSURE CONTROLS

EXPOSURE ELEMENT			(TWA IN MG/M^3)			
			OSHA PEL		ACGIH TLV	
COMPONENT	CAS NO.	WT. %	TOTAL	RESPIRABLE	TOTAL	RESPIRABLE
Aluminum Oxide	**1344-28-1**	**> 99.9%**	**15**	**5**	**10**	**3**

PERSONAL PROTECTIVE EQUIPMENT: **Eye protection, Hand protection, Respiratory protection**

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	**Powder**
Odor	**None**
Color	**White**
pH	**7-10**
Melting Point	**2072 °C (3762 °F; 2345 K)**
Initial Boiling Point and range:	**2997 °C (5391 °F; 3250 K)**
Flash Point:	**N/A**
Evaporation rate:	**N/A**
Flammability.:	**N/A**
Upper/ Lower flammability limits:	**N/A**
Vapor pressure:	**N/A**
Vapor density:	**N/A**
Relative density:	**N/A**
Solubility:	**Not soluble**
Partition coefficient (n-octanol/water):	**N/A**
Auto – ignition temperature:	**N/A**
Decomposition temperature:	**N/A**

SECTION 10: STABILITY & REACTIVITY

Reactivity:	**None to be known.**
Stability:	**Stable under normal conditions.**
Possibility of hazardous reactions:	**None to be known.**

CONDITIONS TO AVOID: **None to be known.**

INCOMPATIBLE MATERIALS: **None to be known.**

HAZARDOUS DECOMPOSITION PRODUCTS: **Will not occur.**

SECTION 11: TOXICOLOGICAL INFORMATION

ORGANISM	DOSE	EFFECT	REFERENCE
Intraperitoneal mouse	**LD50: > 3,600 mg/kg**	**N/A**	**VCVN212,1888**

SECTION 12: ECOLOGICAL INFORMATION

Ecological impact has not been determined.

SECTION 13: DISPOSAL INFORMATION

Collect in containers, bags, or covered dumpster boxes. IF reuse or recycling is not possible, material may be disposed of at an industrial landfill. Disposal must done according to federal and state regulations. Not federally regulated in the U.S. if disposed of "as is."

SECTION 14: TRANSPORTATION INFORMATION

U.N. NUMBER: **N/A**

UN PROPER SHIPPING NAME: **Aluminum Oxide**

HAZARD CLASS: **N/A**

PACKING GROUP: **N/A**

U.S. DOT: **Not regulated**

IATA (INTERNATIONAL AIR TRANSPORT AUTHORITY): **Not regulated**

IMO (INTERNATIONAL MARITIME ORGANIZATION): **Not regulated**

EU RID (REGULATIONS CONCERNING THE INT'L TRANSPORT OF DANGEROUS GOODS BY RAIL): **Not Regulated**

EU ADR (CARRIAGE OF DANGEROUS GOODS BY ROAD): **Not regulated**

ICAO (INTERNATIONAL CIVIL AVIATION ORGANIZATION): **Not Regulated**

SECTION 15: REGULATORY INFORMATION

U.S. Regulations

TSCA Toxic Substance Control Act: **Listed**

SARA Title III

Section 302 Extremely Hazardous Substance: **None**

Section 311/312 Hazardous Categories: **Acute**

Section 313 Toxic Categories: **None**

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone completing chemicals.

European Regulations

EINECS - European Inventory Of Existing Chemical Substances: **Listed**

ELINCS - European List Of Notified Chemical Substances: **Not listed**

This material has been analyzed and is compliant with the ROHS directive.

Canadian Regulations

DSL - Domestic Substances List: **Listed**

NDSL - Non Domestic Substances List: **Not listed**

Australian Regulations

AICS - Australian Inventory Of Chemical Substances: **Listed**

Japan Regulations

ENCS - Existing And New Chemical Substances: **Listed**

MITI - Ministry Of Trand And Industry: **Listed**

China Regulations

IECSC - Inventory Of Existing Chemicals Substances: **Listed**

Philippines Regulations

PICCS - Inventory Of Chemicals And Chemical Substances: **Listed**

Korea Regulations

KECL - Existing And Evaluated Chemical Substances: **Listed**

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SECTION 16: OTHER INFORMATION

HMIS Rating:	**Health: 1**	**Flammability: 0**	**Reactivity: 0**	**Personal Protection: C**
NFPA Rating:	**Health: 1**	**Flammability: 0**	**Reactivity: 0**	

DOT – Department of Transportation
GHS – The Globally Harmonized System of Classification and Labeling of Chemicals
HMIS - Hazardous Materials Identification System
NIOSH – National Institute for Occupational Safety and Health
NORM – Natural Occurring Radioactive Materials
IATA – International Air Transportation Association
IMO – International Maritime Organization
OSHA – Occupational Safety & Health Administration
TSCA – Toxic Substance Control Act

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