

Material Safety Data Sheet



Selecto Scientific
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Section I. Product Identification

Chemical Name: Aluminum Oxide

Trade Name / Synonyms: ABA-2000® Aluminum Oxide Series for Water Filtration, Alumina

Formula: Al₂O₃

CAS No.: Alumina (1344-28-1)

Manufacturer: Selecto, Inc., 3980 Lakefield Court, Suwanee, GA 30024

Emergency Telephone Number: 800/635-4017

Section II. Ingredients

<u>Chemical</u>	<u>% by Weight</u>	<u>Occupational Exposure Limits</u>
Aluminum Oxide	79-99%	Nuisance Dust
		Total Dust: 10 mg / cu. m. (TWA)
		Respirable Dust: 5 mg / cu. m. (TWA)

TWA: Time-Weighted Average - Average air-borne exposure not to be exceeded per any 8 hr. work shift during the average 40 hr. work week.

Section III. Physical Data

Appearance / Odor: White, crystalline granules, pellets, or powder; odorless

Melting Point: N/A

Boiling Point: N/A

Vapor Density: N/A

Solubility in Water: Insoluble

Specific Gravity: 3.5

Section IV. Fire and Explosion Data

Flashpoint: N/A

Auto-ignition Temp: N/A

Flammability Limits in Air: Lower: N/A Upper: N/A

Extinguishing Media Required: None Required

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazard: None

Section V. Reactivity Data

Stability: Stable, Non-Volatile

Conditions to Avoid: None Expected

Incompatibility: None Expected

Hazardous Decomposition Products: None Expected

Hazardous Polymerization: None Expected

Section VI. Health Hazard Information

Major health effects expected to be limited to minor irritation as nuisance dust.

Routes of Entry: Eyes, Inhalation, Ingestion

Eye Contact: May cause irritation on exposure to dust.

Skin Contact: No adverse effects expected.

Inhalation: May cause irritation on exposure to dust.

Ingestion: No adverse effects expected.

Carcinogenicity: NTP? Not Listed IARC? Not Listed OSHA? Not Listed

Section VII. Safe Handling, Use, and Storage

Store in dry locations. Material will absorb moisture from the air.

Protective Clothing: Gloves are recommended for direct contact with the material.

Eye Protection: Wear safety glasses or chemical resistant goggles.

Respiratory Protection: Maintain air-borne dust below recommended levels where possible.

Wear NIOSH-approved respirator for particulates as a precautionary measure.

Ventilation: Mechanical ventilation strongly recommended to maintain acceptable dust levels.

Spills or Leaks: Shovel material into container which can be sealed tightly for disposal.

Disposal Methods: Dispose of material in accordance with all local, state, and federal regulations.

NFPA Hazard Classification:

Health: 1

Flammability: 0

Reactivity: 0

Section VIII. Toxicology, Ecological Information

Product is generally considered to be non-toxic.

Aquatic Toxicity: None

Waterfowl Toxicity: None

Biochemical Oxygen Demand: None

Food Chain Concentration Potential: None

OSHA Hazard Communication Rule: 20CFR1910.1200: Hazard posed by dust, irritation.

TSCA Inventory lists Aluminum Oxide (CAS# 1344-28-1) and Water (CAS# 7732-18-5).

SARA, Title III (Right-to-Know): Extremely Hazardous Substance: None

Hazardous Category: Immediate (acute) health hazards (dust as irritant)

Toxic Chemical: None

Section IX. Transportation

Product is NOT a hazardous material for DOT regulation.

The information provided above is based on data from sources believed to be accurate and reliable. Selecto Scientific, Inc. makes no warranty on the absolute correctness of the information which has been provided in good faith. The user must determine the suitability of the product and information specific to their end-use. Appropriate measures for the proper and safe usage of this product is the sole responsibility of the user and not Selecto Scientific, Inc.

MSDS Effective Date: Feb. 4, 2005