

DATE PREPARED: 12/18/2002

MSDS No: AP3AF

**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT DESCRIPTION:** Alumina Powders**PRODUCT CODE:** AP3AF, .3 micron, agglomerate free**MANUFACTURER**

Hudson Supply Company

4500 Lee Rd

Cleveland, OH 44128-2959

**Customer Service:** (800) 486-0480**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** (800) 424-9300**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Aluminum Oxide	100	1344-28-1

**COMPONENTS :****EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Aluminum Oxide	10 mg/m3	10 mg/m3 total dust	

**3. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS****EYES:** Slightly irritating to the eyes.**SKIN:** May cause significant irritation to the skin.**INHALATION:** Temporary lung effects with cough, discomfort, difficulty or shortness of breath. May cause a tissue response in the lung (pneumoconiosis) if mists or dusty, dried particles are inhaled.**4. FIRST AID MEASURES****EYES:** Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.**SKIN:** Wash thoroughly with soap and water.**INGESTION:** If swallowed, dilute with large amounts of water. Do not induce vomiting. Consult physician if unusual reaction is noted.

---

**INHALATION:** Remove individual to fresh air.

---

#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A to N/A

**AUTOIGNITION TEMPERATURE:** Not Applicable

**HAZARDOUS COMBUSTION PRODUCTS:** None

**FIRE FIGHTING EQUIPMENT:** Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

---

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Ordinary precautions for dust and particulates.

**LARGE SPILL:** Sweep or vacuum spills into appropriate containers for disposal. Follow standard landfill methods consistent with applicable Federal, State and Local laws.

**GENERAL PROCEDURES:** Use normal clean-up procedures.

---

#### 7. HANDLING AND STORAGE

**HANDLING:** Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**STORAGE:** Store in unopened containers under cool and dry conditions.

---

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### PERSONAL PROTECTION

**EYES AND FACE:** Wear safety glasses while sanding or grinding. OSHA 29 CFR 1910.133.

**SKIN:** Wear gloves to prevent abrasion and/or skin irritation.

**RESPIRATORY:** Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

---

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**ODOR:** Odorless

**APPEARANCE:** Crystalline powder

**COLOR:** White  
**PERCENT VOLATILE:** Not Applicable  
**VAPOR PRESSURE:** Not Applicable  
**VAPOR DENSITY:** Not Applicable  
**BOILING POINT:** Not Applicable  
**MELTING POINT:** 2053°C (3727°F)  
**SPECIFIC GRAVITY:** 3.8 to 4.0

---

**10. STABILITY AND REACTIVITY**

**STABLE:** YES  
**HAZARDOUS POLYMERIZATION:** NO  
**INCOMPATIBLE MATERIALS:** None

---

**11. TOXICOLOGICAL INFORMATION**

**COMMENTS:** Not Applicable

---

**12. ECOLOGICAL INFORMATION**

**COMMENTS:** Not Applicable

---

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations. Do not pour liquid down drains or sewers.

---

**14. TRANSPORT INFORMATION**

**COMMENTS:** Not regulated as a hazardous material.

---

**15. REGULATORY INFORMATION**

**GENERAL COMMENTS:** Not Applicable

---

**16. OTHER INFORMATION**

**APPROVED BY:** David C. Dillon      **TITLE:** Systems Administrator

**APPROVAL DATE:** 12/18/2002

**REVISION SUMMARY** New MSDS

**HMIS CODES**

**FLAMMABILITY:** 0    **HEALTH:** 1    **PHYSICAL HAZARD:** 0

**MANUFACTURER DISCLAIMER:** Information given herein is offered in good faith as accurate, but

without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.