

# HUDSON

## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/04/2002

MSDS No: AOP15

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** AOP15- 5 micron, 1 pound container**PRODUCT CODE:** Aluminum Oxide Powder**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	90 - 100	1344-28-1
Titania	5	13483-67-7

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

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Aluminum Oxide	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> total dust	
Titania	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	

### 3. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS****EYES:** May cause significant irritation to the eyes.**SKIN:** May cause significant irritation to the skin.**INGESTION:** Not likely to be hazardous.**INHALATION:** May cause significant irritation to the lungs, upper respiratory tract and nose.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****EYES:** Redness and possible itching and/or tearing of the eyes.**SKIN:** Redness and/or itching of the skin**INGESTION:** No known adverse effects**INHALATION:** Possible coughing, burning, tightness of chest and/or shortness of breath.

#### 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:** No specific intervention is indicated as compound is not likely to be hazardous by ingestion, however, seek medical aid if necessary.

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

---

#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Applicable

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

**AUTOIGNITION TEMPERATURE:** Not Applicable

**EXTINGUISHING MEDIA:** None- product is non-flammable.

**EXPLOSION HAZARDS:** None

**FIRE FIGHTING PROCEDURES:** None

---

#### 6. ACCIDENTAL RELEASE MEASURES

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

---

#### 7. HANDLING AND STORAGE

**HANDLING:** Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area.

**COMMENTS:** Under section 25249.6 of the California safe drinking water act, we are required to identify trace amounts of thorium oxide in our products. These products contain thorium oxide in amounts below the reporting requirements of the federal Hazard Communication Standard and the Nuclear Regulatory Commission.

---

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Provide sufficient local exhaust and general ventilation to maintain exposure below PEL(s), especially for spraying operations which produce mists.

##### 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:** Granular, gray brown to red brown

**PERCENT VOLATILE:** Not Applicable

**VAPOR PRESSURE:** Not Applicable

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** Not Applicable

**FREEZING POINT:** Not Applicable

**MELTING POINT:** 1900°C

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY:** 3.9

---

#### 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** None

**HAZARDOUS DECOMPOSITION:** None

**INCOMPATIBLE MATERIALS:** None

---

#### 11. TOXICOLOGICAL INFORMATION

**COMMENTS:** None

---

#### 12. ECOLOGICAL INFORMATION

**COMMENTS:** None

---

#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** In compliance with Federal, State and local regulations for landfills.

---

#### 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:** 12/04/2002

**REVISION SUMMARY** New MSDS

**NFPA CODES**

**FIRE:** 0    **HEALTH:** 0    **REACTIVITY:** 0    **SPECIAL:** 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.