

HUDSON

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/04/2002

MSDS No: AS16-1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: AS16-1 1 micron, 1 gallon container**PRODUCT CODE:** Aluminum Oxide Slurry**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 ³	10 mg/m ³ total dust	
Titania	5 mg/m ³	5 mg/m ³	

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

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