

DATE PREPARED: 12/18/2002

MSDS No: AP05AF

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT DESCRIPTION:** Alumina Powders**PRODUCT CODE:** AP05AF, .05 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/m ³	10 mg/m ³ 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

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