

DATE PREPARED: 12/18/2002

MSDS No: CA-40

**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT DESCRIPTION:** Colloidal Alumina**PRODUCT CODE:** CA-40, .5 micron acidic suspension, 1 gallon container**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		1344-28-1
Mineral and/or Organic acids		
Water		7732-18-5
Proprietary Ingredients		

**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	
Mineral and/or Organic acids			
Water	NL ppm	NL ppm	
Proprietary Ingredientss			

**3. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS****EYES:** Slightly irritating to the eyes.**SKIN:** May cause significant irritation to the skin.**INGESTION:** Not likely to be hazardous.**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.

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#### 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 harmful effects expected.

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

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#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Applicable

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

**AUTOIGNITION TEMPERATURE:** Not Applicable

**HAZARDOUS COMBUSTION PRODUCTS:** None

**FIRE FIGHTING EQUIPMENT:** Not Applicable

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#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Flush with water to chemical sewer.

**LARGE SPILL:** Flush with water to chemical sewer.

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

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#### 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.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### PERSONAL PROTECTION

**EYES AND FACE:** Wear safety glasses with side shields or goggles when handling this material.

**SKIN:** To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

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

**WORK HYGIENIC PRACTICES:** Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid  
**ODOR:** Odorless  
**APPEARANCE:** Cloudy liquid  
**COLOR:** White  
**PERCENT VOLATILE:** Not Applicable  
**VAPOR PRESSURE:** Not Applicable  
**VAPOR DENSITY:** Not Applicable  
**BOILING POINT:** 100°C (212°F)  
**MELTING POINT:** 0°C (32°F)  
**SOLUBILITY IN WATER:** Negligible  
**EVAPORATION RATE:** <1  
**SPECIFIC GRAVITY:** 1.2

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10. STABILITY AND REACTIVITY

**STABLE:** YES  
**HAZARDOUS POLYMERIZATION:** NO  
**HAZARDOUS DECOMPOSITION:** No known hazardous decomposition.  
**INCOMPATIBLE MATERIALS:** None

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11. TOXICOLOGICAL INFORMATION

**ACUTE**  
**DERMAL LD<sub>50</sub>:** 4 mg/kg (rabbit)  
**ORAL LD<sub>50</sub>:** 20 mg/kg (rat)  
**INHALATION LC<sub>50</sub>:** 83 mg/l for 1 hr (calculated)  
**COMMENTS:** Not Applicable

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12. ECOLOGICAL INFORMATION

**COMMENTS:** Not Applicable

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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.

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14. TRANSPORT INFORMATION

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

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**15. REGULATORY INFORMATION**

**GENERAL COMMENTS:** Not Applicable

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**16. OTHER INFORMATION**

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

**APPROVAL DATE:** 12/19/2002

**REVISION SUMMARY** New MSDS

**HMIS CODES**

**FLAMMABILITY:** 0    **HEALTH:** 1    **PHYSICAL HAZARD:** 0    **PERSONAL PROTECTION:** E

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