

DATE PREPARED: 12/19/2002

MSDS No: CAS-40

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT DESCRIPTION:** Colloidal Silica/Alumina**PRODUCT CODE:** CAS-40, Final medium polish, 1gallon 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
Water		7732-18-5
Proprietary Ingredientss		
Silica, amorphous		7631-86-9

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	
Water	NL ppm	NL ppm	
Proprietary Ingredientss			
Silica, amorphous	6 mg/m3	10 mg/m3	

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.

SUBCHRONIC/CHRONIC TOXICITY**CARCINOGENICITY:** Not Listed by NTP

Not listed by IARC

Not listed by OSHA

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.

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

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.

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.**STORAGE TEMPERATURE:** 2°C (35°F) minimum

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 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 or blue

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: Soluble

EVAPORATION RATE: <1

SPECIFIC GRAVITY: 1.2

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

HAZARDOUS DECOMPOSITION: No known hazardous decomposition.

INCOMPATIBLE MATERIALS: None

11. TOXICOLOGICAL INFORMATION**ACUTE**

ORAL LD₅₀: 7500 mg/kg (rat)

INHALATION LC₅₀: 250 mg/l for 1 hr (calculated)

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**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

FIRE: NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** YES

GENERAL COMMENTS: Not Applicable

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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