



Material Safety Data Sheet

Product No. 895-54, 895-55, 895-56, 895-57, 895-58, 895-58-GAL, 895-59 Alumina Suspension, 0.05, 0.3, 0.5, 1.0, 3.0, 5.0 micron

Issue Date (03-07-97)

Review Date (04-12-12)

Section 1: Product and Company Identification

Product Name: Alumina Suspension, 0.05, 0.3, 0.5, 1.0, 3.0, 5.0 micron

Synonym: Alumina Slurry

Chemical family Ceramic

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

Section 2: Composition / Information on Ingredients

| Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No) | % | OSHA PEL mg/m3 | ACGIH TLV mg/m3 | NTP | IARC | OSHA regulated Carcinogen |
|---|-------------|-------------------------------|--------------------------------|------------|-------------|--|
| Alumina or Al ₂ O ₃ (1344-28-1) | 98.5 min | 5 (TWA, resp) | 10 | No | No | No |
| Silicate Glass or SiO ₂ (7631-86-9) | 0.6- 1.0 | NE | 10 | No | No | No |

% ON A DRY BASIS: this is water slurry containing about 80% water.

Section 3: Hazard Identification

Emergency overview

Appearance: Water slurry

Immediate effects: NIF

Potential health effects

Primary Routes of entry:

Signs and Symptoms of Overexposure:

Eyes: Dust may irritate.

Skin: May be irritating

Ingestion: No known adverse effects.

Inhalation: Acute: Dust or Mist: Coughing, shortness of breath

Chronic Exposure: May affect breathing capacity.

Chemical Listed As Carcinogen Or Potential Carcinogen: None

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Irrigate with large amounts of water. Obtain first aid or medical assistance if needed.

Skin Contact: Wash affected areas with soap and water. Obtain first aid or medical assistance if needed

Inhalation: Remove to fresh air. Apply artificial respiration as needed. Obtain first aid or medical assistance.

Ingestion: Obtain first aid or medical assistance if needed.

Note to physician

Treatment: NIF

Medical Conditions generally Aggravated by Exposure: NIF

Section 5: Fire Fighting Measures

Flash Point: NA

Flammable Limits: NA

Auto-ignition point: NA

Fire Extinguishing Media: NA

Special Fire Fighting Procedures: NA

Unusual Fire and Explosion Hazards: None

Hazardous combustion products: None

DOT Class: None

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: When dust is generated use appropriate dust respirators or keep dust levels below recommended TLV/PEL levels.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be Taken in Handling and Storage: When dust is generated use appropriate dust respirators or keep dust levels below recommended TLV/PEL levels.

Storage temperature: Ambient.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: When dust is generated use appropriate dust respirators or keep dust levels below recommended TLV/PEL levels.

Personal Protection Equipment

Respiratory protection: When dust is generated use appropriate dust respirators or keep dust levels below recommended TLV/PEL levels.

Protective gloves: As desired by user.
Skin protection: Wear protective clothing.
Eye protection: Recommend safety glasses or goggles
Additional clothing and/or equipment: NIF

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Water slurry
Odor (threshold): ND
Specific Gravity (H₂O=1): ~1.6
Vapor Pressure (mm Hg): Water
Vapor Density (air=1): ND
Percent Volatile by volume: 80

Evaporation Rate (butyl acetate=1): Water
Boiling Point: 100 °C (of water)
Freezing point / melting point: 0 °C (of water)
pH: ND
Solubility in Water: Slurry
Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable
Conditions to Avoid: Dust
Materials to Avoid (Incompatibility): Alumina: Halo carbons, halogens, combustible materials, and oxidizing materials.
Hazardous Decomposition Products: None known.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: ND
Human experience: ND
This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: ND
Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: None
Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Not regulated

IATA: Proper shipping name: Not regulated

IMO: Proper shipping name: Not regulated

Marine Pollutant: No

Canadian TDG: Not regulated

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: No

SARA Title III: No

RCRA: No

TSCA: All ingredients are listed.

CERCLA: No

State Regulations

California Proposition 65: None

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

Section 16: Other Information

Label Information: ND

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols:

NFPA Hazard Rating: Health: **0**; Fire: **0**; Reactivity: **0**

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

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