



Material Safety Data Sheet

Product No. 815-110 Colloidal Silica Suspension, 0.06µm

Issue Date (03-24-08)

Review Date (04-14-12)

Section 1: Product and Company Identification

Product Name: Colloidal Silica Suspension, 0.06µm

Synonym: CO Colloidal Silica

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 |
|--|----|----------------------|-----------------------|-----|------|-------------------|
| Silica, Amorphous* (7631-86-9) | ND | 6 | 10 | No | No | No |
| Deionized Water (7732-18-5) | ND | NA | NA | No | No | No |

* As dry Dust.

Section 3: Hazard Identification

Emergency overview

Appearance: Blue liquid.

Immediate effects: May cause slight irritation to skin and eyes

Potential health effects

Primary Routes of entry:

Signs and Symptoms of Overexposure: ND

Eyes: Slightly irritating, high concentrations may cause conjunctivitis, not corrosive

Skin: Non-irritating to rabbit skin and non-sensitizing to guinea pig skin. Very low toxicity by absorption.

Ingestion: Very low toxicity.

Inhalation: Spray mist or dry dust may cause congestion, coughing, granuloma in lungs

Chronic Exposure: ND

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: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists seek medical attention.

Skin Contact: Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists seek medical attention.

Inhalation: If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

Ingestion: If material is swallowed, get immediate medical attention or advice. Give one or two glasses of water or milk. Never give anything by mouth to an unconscious person.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: NA

Flammable Limits: NA

Auto-ignition point: NA

Fire Extinguishing Media: Dry chemical, foam, carbon dioxide (CO₂), water fog.

Special Fire Fighting Procedures: Use proper methods for surrounding fire. Use full-face self contained breathing apparatus, impervious protective clothing.

Unusual Fire and Explosion Hazards: Product is non-combustible

Hazardous combustion products: ND

DOT Class: Not regulated.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: No special procedures.

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: Practice good work habits, avoid skin and eye contact. Store in tightly closed container in cool well ventilated area

Storage temperature: Cool to room temperature.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Use proper ventilation to remove and prevent buildup of vapor or mist generated from handling.

Personal Protection Equipment

Respiratory protection: Use NIOSH/MSHA approved respirator when ventilation is not adequate.

Protective gloves: Use impervious gloves

Skin protection: Impervious gloves, apron and boots

Eye protection: Wear safety glasses, chemical goggles or full-face shield.

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Blue liquid.

Odor (threshold): None

Specific Gravity (H₂O=1): NA

Vapor Pressure (mm Hg): NA

Vapor Density (air=1): NA

Percent Volatile by volume: NA

Evaporation Rate (butyl acetate=1): NA

Boiling Point: 100 °C (212 °F)

Freezing point / melting point: 0 °C (32 °F)

pH: ~10

Solubility in Water: Dispersible.

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: None specific

Materials to Avoid (Incompatibility): None specific

Hazardous Decomposition Products: None specific.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: The revised IDLH for amorphous silica is 3,000 mg/m³ based on being 500 times the NIOSH REL of 6 mg/m³

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: This product is not expected to be harmful to the environment.

Chemical Fate Information: Mobility: The product is water-dispersible and may spread in water systems. The degradability of the product has not been established.

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: None, Comply with Federal, State and Local regulations.

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.

OSHA STATUS: Yes

SARA: No

SARA Title III: Section 302: No. Section 311/312: No. Section 313: No.

RCRA: No

TSCA: None

CERCLA: None

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: ND

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

Estimated Hazard Rating.

(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

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these

materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

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