Section 1: Product and Company Identification

Product Name: Colloidal Silica Suspension, 0.06 m
Synonym: CO Colloidal Silica
Company Name
Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477
   Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
   Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day
CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

2.1 Classification of the substance or mixture: Not classifies as hazardous as Suspension. The hazard information is for the substance as a dry dust only.

GHS Pictograms

GHS07  GHS08

GHS Categories for Dry Dust
GHS07 – Irritant
   Skin Irrit. 3  H315: Causes skin irritation;
   Eye irritation 2B  H313: May be harmful in contact with skin.

GHS08 – Health
   STOT SE 3  H320: Causes eye irritation.
   H335: May cause respiratory irritation.

2.2 Label elements for dry dust

Hazard Statements
H313  May be harmful in contact with the skin.
H315  Causes skin irritation.
H320  Causes eye irritation. (as dry dust)
May cause respiratory irritation.

**Precautionary Statements**
P202 Do not handle until all safety precautions have been read and understood. Keep container tightly closed.
P260 Do not breathe dust.
P264 Wash thoroughly after handling.
P281 Wear protective gloves, clothing, eye protection, and face protection.
P305 IF IN EYES: Rinse cautiously with water for 15 minutes.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303+P332 IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.

**2.3 Other hazards**

IDLH (Immediate Danger to Life and Health): None

**Health Effects:**
NFPA Hazard Rating: ND
HMIS® Hazard Rating: Health: 1; Fire: 0; Reactivity: 0
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

**Results of PBT and vPvB assessment:**
PBT: ND
vPvB: ND

**Emergency overview**
Appearance: Blue liquid.
Immediate effects: May cause slight irritation to skin and eyes.

**Potential health effects**
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 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Principle Components (chemical and common names) (Cas. No)</th>
<th>%</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV mg/m³</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA regulated Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol (57-55-6) EC-No. 200-338-0</td>
<td>20.0-40.0</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>20.0-6</td>
<td>10</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
Proprietary non-hazardous ingredients | 20.0-59.0 | ND | ND | No | No | No
Proprietary non-hazardous dye | 0.0-1.0 | ND | ND | No | No | No

Hazardous mixtures: None.

Section 4: First Aid Measures
If accidental overexposure is suspected
Eye(s) Contact: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Seek medical attention if material is embedded in eye. If eye irritation persists: Get medical advice and attention.
Skin Contact: Rinse immediately with plenty of water. Gently wash with plenty of soap and water. Obtain medical attention if irritation persists.
Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Drink 1 or 2 glasses of water. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures
Flash Point: Will not burn.
Flammable Limits: NA
Auto-ignition point: NA
Fire Extinguishing Media: Use ABC-type fire extinguisher for surrounding fire.
Special Fire Fighting Procedures: Use full-face self-contained breathing apparatus and impervious clothing for chemical fires.
Unusual Fire and Explosion Hazards: NA
Hazardous combustion products: ND
DOT Class: None

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled:
Personal precautions/protective equipment: Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Keep upwind. Keep out of low lying areas. Ventilate closed spaces before entering.
Environmental precautions: Prevent further leakage or spillage and comply with local, state and federal regulations.
Methods/materials for containment and cleanup: If product has dried, avoid generation of dust during clean-up of spills. Recover the dried product by vacuuming, shoveling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Liquid product can be wiped or mopped up and disposed of accordingly.
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:
Handling: Do not breathe dust. Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shoveling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up. Wear suitable protective clothing, gloves and eye/face protection. If airborne dust is generated, use the appropriate NIOSH-approved respiratory protection.


Storage temperature: Cool-to-ambient.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls
Ventilation required: Provide adequate general and local exhaust ventilation.

Personal Protection Equipment
Respiratory protection: Use an appropriate NIOSH approved respirator if airborne dust concentrations exceed the appropriate PEL or TLV. All requirements set forth in 29CFR1910.134 must be met.

Protective gloves: Nitrile gloves recommended.
Skin protection: Impervious gloves, apron and boots.
Eye protection: Chemical/splash goggles recommended.
Additional clothing and/or equipment: Eye wash station.

Exposure Guidelines
See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties
Appearance and Physical State: Blue liquid.
Odor (threshold): None (NA)
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 ºC
Freezing point / melting point: 0 ºC
pH: ~10
Solubility in Water: Soluble.
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: Stable under normal conditions.
Conditions to Avoid: Extreme temperatures.
Materials to Avoid (Incompatibility): Strong oxidizers.
Hazardous Decomposition Products: Carbon and nitrogen oxides.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information
Acute toxicity (Silicon Dioxide – 7631-86-9):
   Oral LD₅₀ (mouse): 7000 mg/kg
The revised IDLH is 3000 mg/m³ based on being 500x the NIOSH REL of 6 mg/m³.
Skin corrosion/irritant: Irritating to skin.
Serious eye damage/irritant: Risk of serious damage to eyes.
Target organ toxicity (single exposure): May cause respiratory/skin irritation.
Target organ toxicity (repeated exposure): May cause respiratory/skin irritation.
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 toxic to the environment. Adopt environmental controls to prevent the product from being released into the environment.
Chemical Fate Information: ND

Section 13 Disposal Considerations
RCRA 40 CFR 261 Classification: ND
You may moisten the product to be swept. 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
SARA: No
SARA Title III: Section 302: No. Section 311/312: No. Section 313: No.
RCRA: No
TSCA: All components are listed.
CERCLA: No reportable quantity for this product.
State Regulations
California Proposition 65: None
International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND

Section 16: Other Information
European symbols needed: ND
Canadian WHMIS Symbols: ND

Abbreviations used in this document
NE= Not established
NA= Not applicable
NIF= No Information Found
ND= No Data

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