安全数据表

产品编号：16026, 16026-10 PELCO® 高性能陶瓷胶

发布日期：06-01-15

审阅日期：08-31-17

第1节：产品和公司信息

产品名称：PELCO® 高性能陶瓷胶

同义词：无

公司名称：

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

美国国内和加拿大：1-800-237-3526（周一至周四6:00AM至4:30PM PST；周五6:00AM至4:00PM PST）

美国国内和加拿大以外：1-530-243-2200（周一至周四6:00AM至4:30PM PST；周五6:00AM至4:00PM PST）

CHEMTREC 美国和加拿大紧急联系号码：1-800-424-9300 24小时服务

CHEMTREC 美国和加拿大以外紧急联系号码：+1-703-741-5970 24小时服务

第2节：危害识别

2.1 物质或混合物分类

GHS 标签图象

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GHS07

GHS 分类

GHS07 – 刺激物

眼刺激 2A H319：引起严重眼刺激。

皮肤刺激 2 H315：引起皮肤刺激

2.2 标签要素

危害标签图象

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GHS07

信号词：警告

GHS 危害决定因素

硅酸盐溶液

铝氧化物

危害声明：

H303 有害，如果吞咽。

H315 引起皮肤刺激。

H319 引起严重眼刺激。
Precautionary statements:
- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves. Wear eye protection.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P305 + P351 + P338 IF IN EYES: Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes.
- P301 + P312 IF SWALLOWED: Call a poison center or doctor if you feel unwell.
- P362 Take off contaminated clothing and wash before reuse.
- P501 Dispose in accordance with local, regional, national or international regulations.

2.3 Other hazards

Health Effects:
- NFPA Hazard Rating: Health: 1; Fire: 0; Reactivity: 0
- 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: White, odorless, paste
- Immediate effects: May cause moderate irritation to eyes, skin and digestive tract.

Potential health effects
- Primary Routes of entry: Ingestion, skin absorption.
- Signs and Symptoms of Overexposure: ND
- Eyes: May cause moderate irritation to eyes.
- Skin: May cause moderate irritation to skin.
- Ingestion: May cause irritation to mouth, esophagus and stomach.
- Inhalation: Mist may cause irritation to respiratory tract.
- Chronic Exposure: None known
- 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 Hazardous Component(s) (chemical and common name(s))</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>Aluminum oxide (1344-28-1) EC No. 215-691-6</td>
<td>40-60%</td>
<td>15</td>
<td>10</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silicate solution (1312-76-1) EC No. 215-687-4</td>
<td>20-30%</td>
<td>NE</td>
<td>NE</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>H302: Acute Toxicity 4, oral H315: Skin Corrosion/Irritation 2 H319: Eye Damage/Eye Irritation 2A</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact  Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.

Skin Contact   Immediately wipe excess material off skin with a dry cloth then wash with soap and water for at least 5 minutes. Inhalation: In case of inhalation due to spray mist, machining dust or dried particulate, remove source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR).

Ingestion      If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

Inhalation     In case of inhalation due to spray mist, machining dust or dried particulate, remove source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR).

Note to physician

Treatment: ND
Medical conditions possibly aggravated by exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

Section 5: Fire Fighting Measures

Flash Point: NA
Flammable Limits: This material is non-combustible.
Auto-ignition point: NA

Fire Extinguishing Media: This material is compatible with all fire-extinguishing media.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources.

Dispose of fire control water later.

Unusual Fire and Explosion Hazards: This material is non-combustible.

Hazardous combustion products: NA

DOT Class: None

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled

Personal Protection  Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs.

Spill Cleanup    Mop up and neutralize liquid, then discharge to sewer in accordance with federal, state and local regulations or permits. Flush area with water to complete cleanup. Exercise caution during neutralization as heat may be generated.

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: Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

Storage: Store in an area that is cool, dry, well ventilated, away from combustible material, and away from ignition sources. Keep containers closed. Store in clean plastic or stainless steel containers.

Storage temperature: Room temperature.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls
Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

Personal Protection Equipment
Respiratory protection
This product is not considered breathable in either the liquid or cured forms. However, if the cured product is polished, ground or chipped during processing, handling or use, powders may be released as airborne particles that could be inhaled. In these instances, appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust and mist respirator is required.

Protective gloves Wear body-covering protective gloves.
Skin protection Wear protective clothing.
Eye protection Wear chemical goggles.

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

Section 9 Physical and Chemical Properties

Appearance and Physical State: Viscous white paste
Odor (threshold): Odorless (ND)
Specific Gravity (H₂O=1): 2.30
Vapor Pressure (mm Hg): NA
Vapor Density (air=1): ND
Percent Volatile by volume: ND
Evaporation Rate (butyl acetate=1): NA
Boiling Point: 100ºC
Freezing point / melting point: NA
pH: 11.0-11.5
Solubility in Water: Soluble
VOC Content: 0.00 lbs/gal
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: This material is stable under all conditions of use and storage.
Conditions to Avoid: Prolonged contact with aluminum, brass, copper, lead, and zinc may produce flammable hydrogen gas.
Materials to Avoid (Incompatibility): Gels and heats when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas.
Hazardous Decomposition Products: None.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information
Acute toxicity
Component: Silicate solution, CAS No. 1344-09-8
LD50 Oral, 1153 mg/kg (Rat)
LD50, Inhalation, ND
LD50, Dermal, 4640 mg/kg (Rabbit)

Human experience
Skin corrosion/irritation: Irritating to skin
Serious eye damage/irritation: Irritating to eyes
Sensitization: Not sensitizing
Mutagenicity: ND
Carcinogenicity: This product is not listed by IARC, NTP, OSHA, or ACGIH as a known or suspected carcinogen.
Reproductive toxicity: No data
This product does not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information
Ecotoxicity: This material is believed to be practically non-toxic to aquatic life.
Biodegradation: This material is inorganic and not subject to biodegradation.
Persistence: This material is believed to persist in the environment.
Bioconcentration: This material is not expected to bioconcentrate in organisms.
Physical/Chemical: Sinks and mixes with water. Only water will evaporate from this material.
Chemical Fate Information: Sinks and mixes with water. Only water will evaporate from this material.

Section 13 Disposal Considerations
RCRA 40 CFR 261 Classification: ND
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 311/312:
  Fire Hazard – No
  Reactivity Hazard – No
  Pressure Hazard – No
  Immediate Hazard – Yes
  Delayed Hazard – No
SARA Title III (302, 304): This product does not contain any reportable substances.
RCRA: NIF
TSCA: All ingredients are listed.
CERCLA: No reportable quantity has been established for this material.
State Regulations
California Proposition 65: No substances are listed.

**International Regulations**
- Canada (DSL): Yes
- Europe (EINECS/ELINCS): Yes
- Australia (AICS): Yes
- Japan (MITI): Yes
- South Korea (KECL): Yes

**Section 16: Other Information**
- Label Information: ND
- European Risk and Safety Phrases: ND
- 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

**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.

SDS Form 0013F1V4