

Safety Data Sheet

Product No. 17386 PELCO Kleenasonic™ CDC Powder Concentrate

Issue Date (07-28-14)

Review Date (08-31-17)

Section 1: Product and Company Identification

Product Name: PELCO Kleenasonic™ CDC Powder Concentrate

Synonym:

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

GHS Pictograms



GHS05



GHS07

GHS Categories

GHS05 – Corrosive

Serious Eye Damage/Irrit.

H318: Causes serious eye damage.

GHS07 – Irritant

Acute Tox., Oral

H302: Harmful if swallowed.

Skin Corr./Irrit. 2

H315: Causes skin irritation.

Sensitization 1

H317: May cause an allergic skin reaction.

2.2 Label elements

Hazard Pictograms



GHS05



GHS07

Signal Word: Danger

Hazard-Determining Components of Labeling

Tetrasodium ethylenediaminetetraacetate

Sodium lauryl sulfate

Hazard Statements:

H302 Harmful if swallowed.

- H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary Statements

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P301+P310+P330 IF SWALLOWED: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.
P302+P352+P312 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Health Effects:

NFPA Hazard Rating: Health: 2; Fire: 0; Reactivity: 0

HMIS® Hazard Rating: Health: 2; Fire: 0; Reactivity: 0

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

Results of PBT and vPvB assessment:

PBT: NA

vPvB: NA

Emergency overview

Appearance: Blue crystalline powder.

Immediate effects: ND

Potential health effects

Primary Routes of entry: Eye and skin contact, inhalation.

Signs and Symptoms of Overexposure:

Eyes: Burning, irritation, pain, and redness of eyes. Risk of serious injury from Sodium Carbonate increases if eyes are kept tightly closed and other symptoms may appear from absorption of into the bloodstream via the eyes.

Skin: Irritation may include redness, itching and pain.

Ingestion: Burning or irritation to mouth and esophagus, stomach pain or discomfort.

Inhalation: Sneezing, coughing, shortness of breath.

Chronic Exposure: ND

Chemical Listed as Carcinogen or Potential Carcinogen: No

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

Principle Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP Carcinogen	IARC Carcinogen	OSHA regulated Carcinogen
Sodium Tripolyphosphate (7758-29-4) EINECS # 231-838-7	15-40	NE	NE	No	No	No
Sodium Edetate (64-02-8) EINECS # 200-573-9 Eye Dam. 1: H318 Acute Tox. 4: H302	10-30	NE	NE	No	No	No
Sodium Carbonate (497-19-8) EINECS # 207-838-8 Skin Irrit. 2: H319	7-13	NE	NE	No	No	No
Surfactants (NA) Skin Irrit. 2: H315 Eye Irrit. 2A: H319	7-13	NE	NE	No	No	No
Sodium Lauryl Sulfate (151-21-3) EINECS # 205-788-1 Acute Tox. 3: H302 Skin Irrit. 2: H315 Eye Irrit. 2A: H319 Skin Sens. 1: H317 STOT SE: H335	1-5	NE	NE	No	No	No

Section 4: First Aid Measures

If accidental overexposure is suspected

- General:** Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hour after the accident.
- Eye(s) Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Seek medical treatment. Rinse opened eye for several minutes under running water. Then consult a doctor.
- Skin Contact:** Remove contaminated clothing. Wash clothing before reuse. Wash with soap and water. If irritation occurs consult a doctor. Immediately wash with water and soap and rinse thoroughly.
- Inhalation:** If having difficulty breathing, contact emergency personnel immediately. Supply fresh air and to be sure call for a doctor. In case of unconsciousness, place patient securely on side position for transportation.
- Ingestion:** Induce vomiting and call for medical help. Never give anything by mouth to an unconscious person. Immediately call a doctor.

Note to physician: This product contains sodium carbonate at low concentrations. While no adverse complications are expected, consider endoscopy in all suspected cases of poisoning. Perform blood analysis to determine if dehydration, acidosis, or other electrolyte imbalances occurred.

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: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Fire Fighting Procedures: Use self-contained breathing apparatus and full protective equipment.

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:

Environmental Precautions: Do not allow to enter sewers/surface or ground water.

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 get in eyes, on skin, or on clothing.

Storage: Keep out of reach of children. Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Suitable packaging is plastic or stainless steel.

Storage temperature: Room temperature.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Components with Occupational Exposure Limits:

Federal guidelines suggest treating the ingredients in this product as a nuisance dust, as no product specific guidelines have been issued for exposure. Particulates not otherwise regulated: OSHA (PEL/TWA): 15 mg/m³ (total dust); 5 mg/mg³ (respirable fraction).

Engineering Controls

Ventilation required: Provide local exhaust ventilation.

Personal Protection Equipment

Respiratory protection: None required for expected product use.

Protective gloves: Impervious gloves.

Skin protection: Protective clothing.

Eye protection: Tightly-sealed goggles.

General Hygiene: Wash hands thoroughly after handling, before breaks, and after work. Avoid contact with eyes and skin. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Immediately remove all soiled and contaminated clothing.

Additional equipment: Safety shower and eye wash station.

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Blue crystalline powder.

Odor (threshold): No significant odor (ND)

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: NA

Freezing point / melting point: NA

pH: 9.5 (Water solution)

Solubility in Water: <10%

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Avoid heat, flames, ignition sources and incompatibles.

Materials to Avoid (Incompatibility): Avoid oxidizing agents and acids. Avoid contact with bare aluminum.

Flammable hydrogen gas may be produced in contact with bare aluminum. Sodium carbonate reacts with fluorine, aluminum, phosphorous pentoxide, sulfuric acid, zinc, lithium, moisture, calcium hydroxide and 2,4,6-trinitrotoluene, and reacts violently with acids to form carbon dioxide.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed:

Acute Effects:

Sodium Carbonate (497-19-8)

Eye: Rabbit: 50 mg, severe

Oral: LD50 (Rat): 4090 mg/kg

Inhalation: LC50 (Rat): 2300 mg/m³/2h

Sodium Edetate (64-02-8)

Eye: Std. Draize (Rabbit): 100 mg/24h, moderate

Skin: Std. Draize (Rabbit): 500 mg/24h, moderate

Sodium Tripolyphosphate (7758-29-4)

Skin: Rabbit: 500 mg/24 h, moderate

Dermal LD50 (Rabbit): 4640 mg/kg

Oral: LD50 (Rat): 3120 mg/kg

Sodium Lauryl Sulfate (151-21-3)

Skin: Dermal LD50 (Rabbit): >10,000 mg/kg

Oral: LD50 (Rat): 800-2700 mg/kg

Sensitization: ND

Chronic Effects:

Mutagenicity: Sodium Carbonate has been investigated as a mutagen.

Reproductive Effects: Sodium Carbonate has been investigated as a reproductive effector.

Developmental Effects: 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:

Aquatic Toxicity: Toxic to aquatic life.

Sodium Carbonate

LC50 Lepomis macrochirus: 300 mg/L [static] (96 h)

EC50 Daphnia magna: 265 mg/L (48 h)

Sodium Edetate – Freshwater fish

LC50 bluegill sunfish: 490 mg/L (Static) (96 h)

Mobility: ND

Persistence and Degradability: ND

Bio accumulative Potential: ND

Other Adverse Effects: Water hazard class 2 (self-assessment): Hazardous for water. Do not allow product to reach ground water, water course, or sewage system. Danger to drinking water if even small quantities leak into the ground.

Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: ND

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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: Not regulated

IATA: Not regulated

Marine Pollutant: No

Canadian TDG: Not regulated

Section 15: Regulatory Information

United States Federal Regulations

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

SARA: Substance is not listed.

SARA Title III (Section 313): Pentasodium triphosphate (775-29-4)

RCRA: ND

TSCA: All components are listed.

CERCLA: Sodium Phosphate, Tribasic: RQ = 5000 lbs (2267 kg). Synonym: Sodium Tripolyphosphate.

State Regulations

California Proposition 65: Not listed.

International Regulations

Canada WHMIS: D2B, E

Europe EINECS Numbers: Mixture, see section 3.

Section 16: Other Information

Label Information: Xi, Irritant

European Risk and Safety Phrases:

Risk phrases: R22 – Harmful if swallowed; R36 - Irritating to eyes; R41 –Risk of serious damage to eyes.

Safety Phrases: S2 -Keep out of the reach of children; S22-Do not breathe dust; S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S39 – Wear eye/face protection; S46 - If swallowed, seek medical advice immediately and show this container or label.

European symbols needed: Xi

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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