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Material Safety Data Sheet

Product No. 81125 Alconox® Powdered Precision Cleaner

Issue Date (03-09-05)

Review Date (03-15-07)

Section 1: Product and Company Identification

Product Name: Alconox® Powdered Cleaner

Synonym: Alconox® Detergent Powder

Manufacturers Name: Alconox, Inc. White Plains, NY 10603

Chemical Family: Detergent

Company Name

Ted Pella, Inc. and PELCO International, 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
Sodium dodecylbenzenesulfonate (25155-30-0)	10-30	NE	NE	No	No	No
Sodium carbonate (497-19-8)	7-13	NE	NE	No	No	No
Tetrasodium pyrophosphates (7722-88-5)	10-30	NE	5	No	No	No
Sodium phosphate (7758-29-4)	10-30	NE	NE	No	No	No

Section 3: Hazard Identification

Emergency overview

Appearance: White granular powder.

Immediate effects: Irritant

Potential health effects

Primary Routes of entry: Skin contact, eye contact, inhalation and ingestion.

Signs and Symptoms of Overexposure:

Eyes: May cause irritation.

Skin: Prolonged contact may cause irritation.

Ingestion: May cause; vomiting, diarrhea, abdominal pain, and gastric distress.

Inhalation: Airborne particles may cause irritation.

Chronic Exposure: Contains an ingredient which may be corrosive.

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: Check for and remove contact lenses. Flush eyes with clear, running water for 15 minutes while holding eyelids open; if irritation persists, consult a physician.

Skin Contact: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if irritation persists.

Inhalation: Remove victim to fresh air. Seek medical attention if symptoms persist.

Ingestion: Do not induce vomiting. Dilute with two glasses of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Additional Information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: None

Flammable Limits: NA

Auto-ignition point: ND

Fire Extinguishing Media: Carbon dioxide, dry chemical, foam, water, water fog.

Special Fire Fighting Procedures: Self-contained breathing apparatus required. Firefighters should wear the usual protective gear.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: Oxides of carbons and hydrocarbons.

DOT Class: Not regulated

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Contain the spill. Recover uncontaminated material for re-use. Wear appropriate protective equipment. Contaminated material should be swept or shoveled into appropriate waste container for disposal.

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: Protect against physical damage. Avoid breathing dust. Wash thoroughly after handling. Keep out of reach of children. Avoid contact with skin, eyes and clothing. Launder contaminated clothing prior to reuse. Keep containers closed when not in use. Store in a cool, dry and well ventilated area.

Storage temperature: Room Temperature.

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Local exhaust at points of emission.

Personal Protection Equipment

Respiratory protection: If exposure limit is exceeded, wear a NIOSH approved respirator.

Protective gloves: Neoprene or rubber gloves.

Skin protection: Appropriate clothing to protect skin contact.

Eye protection: Safety glasses with side-shields.

Additional clothing and/or equipment: Eye wash and emergency shower should be in close proximity.

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: White granular solid

Odor (threshold): Almost odorless

Specific Gravity (H₂O=1): 0.85 - 1.10 @ 20 °C

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 (1% aqueous solution)

Solubility in Water: 100 - > 10% w/w

Molecular Weight: NE

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: None known.

Materials to Avoid (Incompatibility): Strong acids and oxidizers

Hazardous Decomposition Products: Hydrocarbons and oxides of carbon.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed:

Sodium dodecylbenzenesulfonate (25155-30-0) (LD₅₀, Oral): Rat = 438 mg/kg. Mouse = 1330

mg/kg.

Sodium carbonate (497-19-8) (LD50, Oral): Rat = 4020 mg/kg. Mouse = 6600 mg/kg. (LC50, Inhalation): Rat = 2300 mg/m3/2h. Mouse = 1200 mg/m3/2h.

Tetrasodium pyrophosphates (7722-88-5) (LD50, Oral): Rat = 4000 mg/kg. Mouse = 2980 mg/kg.

Sodium phosphate (7758-29-4) (LD50, Oral): Rat = 3120mg/kg. Mouse = 3100 mg/kg. (LD50, Dermal): Rabbit = >4640 mg/kg.

Human experience: ND

This **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: 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.

Domestic shipments only:

IMO: Proper shipping name: Not regulated

Marine Pollutant: ND

Canadian TDG: ND

IMDG Page: ND

Limitations: ND

Section 15: Regulatory Information

United States Federal Regulations

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

SARA: Yes

SARA Title III: Section 311/312: Immediate (Acute) Health Hazard: Yes. Delayed (Chronic) Health Hazard: No. Fire Hazard: No. Sudden Release of Pressure: No. Reactive: No.

RCRA: ND

TSCA: All components of this product are listed on the TSCA inventory.

CERCLA: Not listed.

State Regulations

California Proposition 65: None.

International Regulations

Canada WHMIS: The supplier has certified that all substances in this product appear on the domestic substances list. DSL: Yes.

Europe EINECS Numbers: CAS# 25155-30-0 - EINECS# 246-680-4. CAS# 7758-29-4 - EINECS# 231-838-7. CAS# 497-19-8 - EINECS# 207-838-8. CAS# 7722-88-5 - EINECS# 231-767-1.

Section 16: Other Information

Label Information: Irritant

European Risk and Safety Phrases: R 20 36/37/38. Risk Phrases: Harmful by inhalation. Irritating to eyes, respiratory system and skin. S8 22 24/25. Safety Phrases: Keep container dry. Do not breathe dust. Avoid contact with skin and eyes.

European symbols needed: X

Canadian WHMIS Symbols: D2B

NFPA Hazard Rating: Health: **1**; 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

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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