

Safety Data Sheet

Product No. 18851 Sodium Cacodylate, Trihydrate

Issue Date (11-10-14)

Review Date (01-23-15)

Section 1: Product and Company Identification

Product Name: Sodium Cacodylate, Trihydrate

Synonym: Sodium dimethylarsinate

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: Hazard Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

GHS Pictograms:



GHS Categories:

Acute toxicity, Oral (Category 3), H301

Acute toxicity, Inhalation (Category 3), H331

Carcinogenicity (Category 2), H351

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

Acute Tox. 3 H301 Toxic if swallowed

Signal Word: DANGER

Hazard statement(s):

H301 + H331 Toxic if swallowed or if inhaled.

H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s):

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P321 Specific treatment (see supplemental first aid instructions on this label).
P330 Rinse mouth.
P391 Collect spillage.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.
Hazards not otherwise classified (HNOC) or not covered by GHS – none.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R22: Harmful if swallowed.

Health Effects:

NFPA Hazard Rating: Health: 3; Fire: 0; Reactivity: 0

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

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Emergency overview

Appearance: Form: Solid, Color: white

Immediate effects: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Potential health effects

Primary Routes of entry: Ingestion, inhalation and eye and skin contact.

Signs and Symptoms of Overexposure: Drowsiness, Tremors, Convulsions.

Eyes: ND

Skin: Generally the product does not irritate the skin.

Ingestion: Toxic if swallowed.

Inhalation: Toxic if inhaled.

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: Yes, see Section 11.
See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA TWA mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Sodium dimethylarsinate trihydrate (6131-99-3) EC-No. : 204-708-2 Index-No. : 033-002-00-5 Acute Tox. 3; Carc. 2; Aquatic Acute 1; Aquatic Chronic 1; H301 + H331, H351, H410	≤100	0.5*	ND	No	2B	No

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
Sodium Cacodylate: Cas No. for (124-65-2) anhydrous form.

Section 4: First Aid Measures

If accidental overexposure is suspected

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Eye(s) Contact: Rinse opened eye for several minutes under running water.

Skin Contact: Generally the product does not irritate the skin.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Ingestion: Call for a doctor immediately.

Note to physician

Treatment: No further relevant information available.

Medical Conditions generally Aggravated by Exposure: No further relevant information available.

Section 5: Fire Fighting Measures

Flash Point: ND

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire and Explosion Hazards: Product does not present an explosion hazard.

Hazardous combustion products: Carbon oxides, Sodium oxides, Arsenic oxides.

DOT Class: Toxic, (Not a Poison Inhalation Hazard).

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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: Avoid contact with skin and eyes.

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

Storage temperature: Room temperature.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Engineering Controls

Ventilation required: Use in chemical fume hood as required.

Personal Protection Equipment

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protective gloves: Wear protective gloves.

Skin protection: Wear gloves and protective clothing.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: White Solid

Odor (threshold): None (ND)

Specific Gravity (H₂O=1): ND

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: ND

Freezing point / melting point: ND

pH: ND

Solubility in Water: Fully miscible.

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Avoid moisture.

Materials to Avoid (Incompatibility): Strong oxidizing agents, Strong bases.

Hazardous Decomposition Products: ND

Hazardous Polymerization: No dangerous reactions known.

Section 11: Toxicological Information

Results of component toxicity test performed:

Acute toxicity: No data available.

Inhalation: No data available.

Dermal: No data available.

Skin corrosion/irritation: Skin – rabbit, Result: No skin irritation.

Serious eye damage/eye irritation: No data available.

Respiratory or skin sensitisation: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: Suspected human carcinogens.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Sodium dimethylarsinate trihydrate)

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a

known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available.

Reproductive toxicity - Hamster - female - Intravenous

Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants). No data available.

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity - repeated exposure: No data available.

Aspiration hazard: No data available.

Additional Information:

RTECS: CH7890000

Human experience: Drowsiness, Tremors, Convulsions

Stomach - Irregularities - Based on Human Evidence.

Stomach - Irregularities - Based on Human Evidence.

Section 12: Ecological Information

Ecological Information: Toxicity

Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea)
- 53.5 mg/l - 48 h

Very toxic to aquatic life with long lasting effects.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: ND

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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: Sodium cacodylate

Hazard Class: 6.1

Packaging group: II

UN Number: UN1688

IATA: Proper shipping name: Sodium cacodylate

Hazard Class: 6.1

Packing group: II

UN Number: UN1688

Poison Inhalation Hazard: No

Marine Pollutant: No

Canadian TDG: Sodium cacodylate

Section 15: Regulatory Information

United States Federal Regulations

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

SARA: SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

SARA Title III:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: The following components are subject to reporting levels established by SARA Title III, Section 313: Sodium dimethylarsinate trihydrate, CAS-No. 6131-99-3, Revision Date: 1993-04-24

RCRA: ND

TSCA: (Toxic Substances Control Act): Substance is listed.

CERCLA: RQ = 1 lbs

State Regulations

California Proposition 65: The Cas.No.(124-65-2) and Cas. No. (6131-99-3) substance are not listed

Note: Cacodylic Acid (75-60-5) is known by the state of California to cause cancer.

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: 204-708-2

Section 16: Other Information

Label Information: Toxic

European Risk and Safety Phrases: See Section 2.

European symbols needed: Harmful X

Canadian WHMIS Symbols: D1A - Very toxic material causing immediate and serious toxic effects

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

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