



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Sodium Cacodylate

50-2505

Section 1: Identification

Product Name Sodium Cacodylate
Commercial Name Cacodylic Acid, Sodium Salt
Product Use Not available
Restrictions On Use Not available

Product Code 50-2505

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Acute oral toxicity Category 3 Acute Inhalation Toxicity - Dusts and Mists Category 3 Carcinogenicity
CFR 1910.1200 Category 1A
Signal Word DANGER

Hazard Statement(s) Toxic if swallowed. Suspected of causing cancer.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

Response IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Rinse mouth

Storage Store locked up. Store in a well-ventilated place. Keep container tightly closed

Disposal Dispose of contents/container to an approved waste disposal plant Hazards not otherwise classified (HNOC): Very toxic to aquatic life with long lasting effects

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Sodium Cacodylate
% By Weight 98
CAS# 6131-99-3
Molecular Weight 214.03
Chemical Formula C₂ H₆ As Na O₂ · 3 H₂ O
Synonym(s) Dimethylarsinic acid sodium salt

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Sodium Cacodylate	124-65-2	100	N/A	ORAL (LD50): Acute: 2600 mg/kg [Rat]. 4 mg/kg [Mouse].

Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	
Treat symptomatically	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Carbon monoxide (CO). Carbon dioxide (CO₂). arsenic oxides. Sodium oxides Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Do not allow run-off from fire-fighting to enter drains or water courses.

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

Section 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Environmental Precautions: Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Should not be released into the environment. Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Avoid dust formation

Section 7: Handling and Storage

Handling: Wear personal protective equipment/face protection. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance. Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Store under an inert atmosphere. Protect from moisture. Incompatible Materials. Strong oxidizing agents. Strong acids. Strong bases

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protection	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	Solid. Color: White		
Odor	Slight.		
Odor Threshold	Not available		
Melting Point	77 - 80 °C / 170.6 - 176	pH	9.0-9.5 100g/l aq.sol (20°C)
Freezing Point	Not available	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Not available	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available

Solubility(ies)	Soluble in water
Other	Molecular Formula C2 H6 As Na O2 . 3 H2 O Molecular Weight 214.03

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under normal conditions. Hygroscopic.
Hazardous Polymerization	Will not occur
Conditions to Avoid	Avoid dust formation. Excess heat. Exposure to moisture. Exposure to moist air or water.
Incompatible Materials	Strong oxidizing agents, Strong acids, Strong bases
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO2), arsenic oxides, Sodium oxides

Section 11: Toxicological Information
RTECS CH7700000

Acute Toxicity

Component: Sodium cacodylate LD50 Oral: LD50 = 2600 mg/kg (Rat) LD50 Dermal: Not listed LC50 Inhalation: Not listed

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not listed

Reproductive Toxicity

Not available

Routes of Entry

Dermal contact. Eye contact. Inhalation. Ingestion.



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Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment. May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system.

Persistence and Degradability

May persist based on information available

Bioaccumulative Potential

Not available

Mobility in Soil

Will likely be mobile in the environment due to its water solubility.

Other Adverse Effects

Not available

Section 13: Disposal Considerations

Waste Disposal

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

DOT UN-No UN1688 Proper Shipping Name SODIUM CACODYLATE Hazard Class 6.1 Packing Group II

Section 15: Regulatory Information

Regulations

Component CAS No TSCA TSCA Inventory notification - Active-Inactive TSCA - EPA Regulatory Flags Cacodylic acid, sodium salt trihydrate 6131-99-3 - - - Sodium cacodylate 124-65-2 X ACTIVE - Legend: TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed '-' - Not Listed TSCA 12(b) - Notices of Export Not applicable

Other

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Section 16: Other Information

Not available.