

MATERIAL SAFETY DATA SHEET

Product Name: Sodium Cacodylate
Catalog Number: 20305
Other Names: Sodium Dimethylarsinate Trihydrate
DOT Hazard Class: Toxic
DOT Proper Shipping Name: Sodium Cacodylate
UN/NA ID No.: UN 1688
MSDS Prepared: 8/09

Distributed By: Ladd Research
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HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Sodium Cacodylate	124-65-2	100%	10 µg (As)/m ³ (OSHA PEL) 10 µg (As)/m ³ (ACGIH TLV)

PHYSICAL AND CHEMICAL DATA

Appearance and Odor: Odorless white crystals
Solubility: Soluble in water (44% [w/v])
Specific Gravity: 0.58
Boiling Point: Not Available
Melting Point: 60°C
Vapor Density: Not Available
Vapor Pressure: Not Available
Evaporation Rate: Not Available

FIRE AND EXPLOSION HAZARD DATA

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire

HEALTH HAZARD DATA

Inhalation: May cause inflammation of the mucous membranes with cough and foamy sputum, restlessness, dyspnea, cyanosis and rales. May cause pulmonary edema.

Ingestion: Highly toxic! May cause burning in esophagus, vomiting, and bloody diarrhea. Cold and clammy skin, low blood pressure, weakness, headache, cramps, convulsions and coma may follow. Strong garlic odor on breath, sweat and urine may occur. May cause damage to liver and kidneys. A suspected fetal toxin. Death may occur from circulatory failure. Estimated lethal dose is 120 milligrams.

Skin: May cause irritation with redness and pain.

Eye: May cause irritation with itching, burning, watering of eyes. May cause conjunctiva damage.

Chronic Exposure: May cause bronzing of the skin, edema, dermatitis and lesions. Inhalation of dust may cause damage to the nasal septum. Inhalation or ingestion may cause hair and weight loss, central nervous system damage, hepatitis, gastrointestinal disturbances, cardiovascular damage and kidney and liver damage.

EMERGENCY AND FIRST AID

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

Skin: Immediately flush skin with plenty water for at least 15 minutes. Remove contaminated clothing and shoes. Obtain medical attention.

Eye: Immediately flush eyes with plenty water for at least 15 minutes, lifting upper and lower eyelids occasionally. Obtain medical attention.

REACTIVITY DATA

Stability: Stable

Hazardous decomposition Products: May emit oxides of carbon and arsenic when heated to decomposition. Reducing agents may release toxic arsine gas.

Hazardous Polymerization: Will not occur

Incompatibilities: Reducing agents, aluminum, zinc, common metals (corrosive) and sodium borohydride

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Ventilate area of leak or spill. Wear appropriate protective equipment. Sweep up and containerize for reclamation or disposal

Disposal: Dispose of container and unused contents in accordance with federal, state and local requirements.

Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Ventilation: Local and/or general exhaust is recommended

Respirators: NIOSH-approved full face respirator is recommended.

Skin and Eye: Wear impervious clothing or eyewear as appropriate to prevent skin contact.

SECTION 313 SUPPLIER NOTIFICATION

Not applicable.



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