

# 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:* 11/08

*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 <sup>3</sup> (OSHA PEL) 10 µg (As)/m <sup>3</sup> (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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