

MATERIAL SAFETY DATA SHEET

24HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: Gallium arsenide
CAS#: 1303-00-0
FORMULA: GaAs
SYNONYM: Gallium monoarsenide

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	1303-00-0	100	0.01mg/m ³ (as As)	0.01 mg/m ³ (as As)

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Acute toxicity of arsenic compounds includes nausea, dizziness, and coma. Chronic effects include dermatitis, liver and kidney damage.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation, skin, eyes.

EYE CONTACT: May cause mild to severe irritation of the eyes.

SKIN CONTACT: May cause irritation of the skin, ulceration, spotty pigmentation, dermatitis, and skin cancer.

INHALATION: May be severely irritating to the nose, and respiratory tract. May induce perforation of the nasal septum and cause arsenic poisoning.

INGESTION: Ingestion may lead to nausea, vomiting, bloody diarrhea, weakness, low blood pressure, shock, coma, and death.

CHRONIC HEALTH EFFECTS: Prolonged exposure to arsenic compounds may cause loss of appetite, dermatitis, diarrhea, kidney and liver damage, nervous disorders, and cancer of the skin, lungs, and liver.

ACUTE HEALTH EFFECTS: Ingestion may lead to nausea, vomiting, bloody diarrhea, weakness, low blood pressure, shock, coma, and death.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.