

MATERIAL SAFETY DATA SHEET

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

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SECTION 1 Product Identification

CHEMICAL NAME: Arsenic (V) oxide
CAS#: 1303-28-2
FORMULA: As₂O₅
SYNONYM: Arsenic acid anhydride, Diarsenic pentoxide

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	1303-28-2	100	0.01 mg/m ³ (as As)	0.01 mg/m ³ (as As)

SECTION 3 Hazards Identification

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

PRIMARY ROUTES OF EXPOSURE: Contact with skin and eyes. Dust inhalation.

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: May be irritating to skin, eyes and respiratory tract, and cause garlic breath odor, nausea, vomiting, bloody diarrhea, weakness, shock, coma.

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