

MATERIAL SAFETY DATA SHEET

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SECTION I – GENERAL INFORMATION

TRADE NAME: **Chloropicrin**
CHEMICAL NAME: Chloropicrin (Trichloronitromethane)
CHEMICAL FAMILY: Halonitroalkane
EPA REG. NO.: N/A
SIGNAL WORD: Danger

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

NAME	CAS NO.	% (by wt.)	TLV	CLASS
Chloropicrin	76-06-2	96.0%	0.1 ppm	H
Trace quantities of water and HCl		4.0%		

SECTION III – PHYSICAL DATA

Boiling Point: 233°F (112°C) Specific Gravity: 1.66
Vapor Pressure: 18.3 @ 20°C % Volatiles: N.K.
Vapor Density: Appr. 5.7 (Air= 1.0) Solubility in water: 0.2g/100g
pH: N.K. Appearance/Odor: Colorless liquid intensely irritating tear gas odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point: Not combustible
Extinguishing Media: All conventional extinguishing media are suitable.
Fire Fighting Procedures: Not a combustible. Heated material decomposes violently at 233°F (112°C) especially when in contact with metals. Toxic and irritating gases will emit. Assure S.C.B.A. is worn. Stay up wind.

SECTION V – REACTIVITY DATA

Stability: Unstable under fire conditions.
Conditions to Avoid: Avoid Temperatures above 140°F (60°C).
Incompatibility: Organic amines, reducing agents and sulfuric acid. Incompatible with containers or equipment made of aluminum, magnesium or their alloys.
Hazardous Decomposition Products: Highly toxic phosgene and toxic nitrogen oxide
Hazardous Polymerization: Not known to occur

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity: N/A
Toxicity Data: Oral LD50 (RAT): 250 mg/kg.
Dermal LD50 (rabbit): 62 mg/kg
TLV: 0.1 ppm (ACGIH Classification is A4)
N.F.P.A.: Health: 4, Fire: 0, Reactivity: 3
(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure: Severe eye irritation (corneal injury). Severe skin burns. Ingestion may cause serious burns to mouth and throat, and even death. Inhalation can cause serious injury or death (methemoglobinemia).

SECTION VII – EMERGENCY PROCEDURES

If Inhaled: Move person to fresh air. Keep warm. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing: Immediately remove contaminated clothing, shoes or any other item on skin. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill
Contain spills and prevent runoff or entering of waterways. Assure protective equipment is worn. Pick up spills with absorbent material and place in suitable containers.
Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, use a NIOSH approved positive-pressure supplied-air respirator for organic vapors.

Ventilation: Provide controls to assure levels below exposure guidelines.

Protective Gloves: Impervious rubber

Eye Protection: Wear protective eyewear or face shield (DO NOT wear goggles). Eye wash fountain should be located in immediate work area.

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.
Store away from foodstuffs.

D.O.T. Description: UN-1580, Chloropicrin, 6.1, PG-I, poison-inhalation hazard, hazard zone B.

Freight Description: Warning agent, Liquid, N.O.S.

E.R.G. Guide Sheet: 154

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