

# Safety Data Sheet

DELAYED: Y  
FIRE: N  
REACTIVE: N  
SUDDEN RELEASE OF PRESSURE: N  
REPORTABLE QUANTITY (RQ) UNDER U.S. CERCLA: Methanol (CAS: 67-56-1) 5000 pounds.  
SARA, TITLE III, SECTION 313: Methanol (CAS: 67-56-1) 1.1%  
RCRA WASTE CODE: Not listed  
CA PROPOSITION 65: Not listed.  
CAUTION - This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

## 16. OTHER INFORMATION

MSDS STATUS: Section 15 revised  
PREPARED BY: Registrations and Regulatory Affairs  
REVIEWED BY:  
Environmental Health and Safety  
DISCLAIMER AND LIMITATION OF LIABILITY: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.

Atrazine 4L

Helena

10/11/05

2225

HELENA CHEMICAL COMPANY  
PH: 901-761-0050  
CHEMTREC: 800-424-9300  
11-OCT-2005  
EFFECTIVE DATE: 11-OCT-2005  
PRODUCT: ATRAZINE 4L

## I. IDENTIFICATION

CHEMICAL NAME: Atrazine  
CHEMICAL FAMILY: Triazine Herbicides  
FORMULA: Not applicable, formulated mixture.  
SYNONYMS: None  
CAS NUMBER: 1912-24-9 (Atrazine Tech)  
EPA NUMBER: 5905-470

## II. PHYSICAL DATA

BOILING POINT: 100-106 Deg. C.  
FREEZING POINT: Not determined  
SPEC GRAVITY: 1.120 gms/cc  
VAPOR PRESSURE: 1.5 mm/Hg @ 20 Deg. C.  
VAPOR DENSITY: Not determined  
SOLUBILITY: 33 ppm @ 20 Deg. C.

VOLATILES: Not determined  
EVAPORATION: Not determined  
MELTING POINT: 176 Deg. C. (tech)  
APPEARANCE: White, odorless suspension.

## III. INGREDIENTS

Atrazine (2-chloro-4-ethylamino)-6-(isopropylamino)-s-triazine and related compounds  
CAS NUMBER: 1912-24-9  
PERCENT: 42.00  
TLV: 5 mg/kg  
HAZARD: Moderately toxic and irritating to eyes and skin.  
Inert ingredients  
PERCENT: 58.00  
TLV: N/E  
HAZARD: Non-hazardous

## IV. FIRE AND EXPLOSION HAZARD

FLASH POINT: Non-combustible  
AUTOIGNITION TEMP: Not applicable  
FLAMMABLE LIMIT: Not applicable  
EXTINGUISHING MEDIA: Use dry chemical, foam or carbon dioxide extinguishing media.  
SPECIAL FIRE FIGHT PROC: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent exposure.  
FIRE AND EXPL HAZARD: Thermal decomposition products may include carbon monoxide, hydrogen cyanide and acetonitrile.

## V. HEALTH HAZARD

CARCINOGEN INFORMATION: None currently known.  
ACUTE EFFECTS OF OVER EXPOSURE  
SWALLOWING: Slightly toxic by ingestion. Acute Oral LD50 (rat) = 1,075 mg/kg (females) and 1,886 mg/kg (males). Ingestion can result in nausea, vomiting or diarrhea.  
SKIN ABSORPTION: Practically non-toxic dermally. Acute Dermal LD50 (rabbit) > 5,000 mg/kg. A skin sensitization (allergic) reaction can occur in some individuals.  
INHALATION: Slightly toxic by inhalation. Acute Inhalation LC50 (rat) = 2.38 mg/L. Mildly irritating by inhalation.  
SKIN CONTACT: Skin contact may cause mild irritation. A skin sensitization (allergic) reaction may occur in some individuals.  
EYE CONTACT: Mildly irritating with eye contact.  
CHRONIC EFFECTS: Cardiotoxicity has been observed in some long term studies with high doses (dogs). However, long-term exposure to low levels is not known to cause any ill effects in humans.  
OTHER HAZARD: None currently known.  
EMERGENCY AND FIRST AID PROCEDURES:  
SWALLOWING: Call a poison control center or doctor immediately for treatment advice. Sip a glass of water, if conscious and able to swallow. Do not induce vomiting unless told to do so by a physician or poison control center.  
SKIN: Remove contaminated clothing. Rinse affected area with plenty of water for at least 15 minutes. Call a poison control

center or doctor immediately for treatment advice.

INHALATION: Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

EYES: Hold eyelid open and rinse slowly and gently with water, continuing for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Call a poison control center or doctor immediately for treatment advice.  
NOTES TO PHYSICIANS: If ingested, induce emesis or lavage stomach. Treat symptomatically.

## VI. REACTIVITY

STABILITY: Stable  
CONDITIONS TO AVOID: None currently known.  
POLYMERIZATION: Will Not Occur  
CONDITIONS TO AVOID: None currently known.  
INCOMPATIBILITY MATERIAL: Avoid contact with strong acids and gases.  
HAZARDOUS COMBUSTION: May produce carbon monoxide, hydrogen cyanide and acetonitrile under fire conditions.

## VII. SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROC: For small spills, cover with an inert absorbent material, such as clay, sand or sawdust. Sweep up and place in an approved chemical waste container. Wash the spill area with water containing a strong detergent, absorb and place in container with collected product. Seal the container and send for proper disposal.  
WASTE DISPOSAL METHOD: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

## VIII. SPECIAL PROTECTION INFORMATION

RESPIRATION: To avoid breathing mist or spray, wear a NIOSH-approved chemical cartridge pesticide respirator with dust/mist pre-filter or, use a supplied-air respirator.  
VENTILATION: Local exhaust sufficient.  
GLOVES: Chemical-resistant, such as PVC or polyethylene.  
EYES: Chemical goggles, safety glasses w/side shields.  
OTHER: Emergency shower, eyewash station, impervious apron and footwear.

## IX. SPECIAL PRECAUTIONS

SPECIAL PRECAUTION: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds. Due to ground and surface water concerns, Atrazine 4L is a restricted use pesticide - for retail sale to and use only by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicator's certification.  
OTHER PRECAUTION: Do not reuse product containers. Dispose of product containers, waste containers and residues according to local, state and federal health

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