

Material Safety Data Sheet

Effective Date: 11-OCT-2005  
Product: ATRAZINE 4L

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I. IDENTIFICATION

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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

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II. PHYSICAL DATA

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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.

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III. INGREDIENTS

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

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IV. FIRE AND EXPLOSION HAZARD

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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.

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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.

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Notes to Physician: 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

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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 and environmental regulations. Atrazine is not a RCRA characteristic or listed waste.

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X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.

Hazard Class: None

Identification No: None

Labels Required: None required

Placard: None

Freight Class: Compound, Weed Killing, Liquid (Atrazine Herbicide), N.O.I. (NMFC Item 50320, Class 60)

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

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XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

Health: 1

Fire: 1

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y

Delayed (Chronic) Health: Y

Sudden Release of pressure: N

Fire: N

Reactive: N

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