

Material Safety Data Sheet

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

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

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.

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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.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: 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

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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