

Material Safety Data Sheet

Effective Date: 25-JAN-2004
Product: ATRAZINE 4F

I. IDENTIFICATION

Chemical Name: 2-chloro-4-ethylamino-6-isopropylamino-s
 triazine
Chemical Family: Triazine Herbicides
 Formula: Not applicable, formulated mixture.
 Synonyms: None
 CAS Number: 1912-24-9 (Atrazine)
 EPA Number: 100-497-5905

II. PHYSICAL DATA

Boiling Point: 212-223 Deg F.
Freezing Point: Not determined
Spec Gravity: 1.12 gms/cc
Vapor Pressure: 2.9×10^{-7} mm/Hg
Vapor Density: Not determined
Solubility: 33 mg/L
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: White liquid with low to no odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Atrazine	1912-24-9	42.60	5 mg/m3	Skin and eye irritant.
Ethylene Glycol	107-21-1	<6.00	100 mg/m3	Skin and eye irritant
Inert Ingredients		<52.00	N/E	Non-hazardous

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 Deg. F (TCC)
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. If water is
 used, dike and collect runoff to prevent
 environmental damage.

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Fire and Expl Hazard: Irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

V. HEALTH HAZARD

Carcinogen Information: IARC Group 3 (Atrazine)

ACUTE EFFECTS OF OVER EXPOSURE

- Swallowing: Slightly toxic by ingestion. Acute Oral LD50 (rat) = 3,800 mg/kg. May cause nausea, vomiting or diarrhea if ingested.
- Skin Absorption: Practically non-toxic. Acute Dermal LD50 (rabbit) > 10,200 mg/kg. May be mildly irritating.
- Inhalation: Slightly toxic by inhalation. Acute Inhalation LC50 (rat) >6.8 mg/L/4H.
- Skin contact: Mildly irritating with skin contact. Laboratory tests with guinea pigs indicate this is a sensitizing material.
- Eye Contact: Mildly irritating with eye contact. May cause temporary redness and swelling of the eyelids.
- Chronic Effects: Long-term exposure to low levels of this product are not known to cause any ill effects in humans.
- Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

- Swallowing: Contact a poison control center or doctor immediately for treatment advice. If able to swallow, sip water. Do not induce vomiting unless told to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.
- Skin: If on skin or clothing, remove contaminated clothing and wash affected area immediately with plenty of soap and water. Consult a physician or poison control center for additional advice.
- Inhalation: Remove to fresh air. If not breathing, administer artificial respiration, preferably mouth-to-mouth, until medical assistance arrives. For further treatment advice, consult a poison control center or physician.
- Eyes: Immediately flush eyes with water for at least

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15 minutes, holding eyelids open. Seek additional advice from a poison control center or physician.

Notes to Physician: There is no specific antidote for this material if ingested. Treat patient symptomatically.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None known.
Polymerization: Will Not Occur
Conditions to Avoid: None known.
Incompatibility material: None known.
Hazardous Combustion: Can decompose at high temperatures to form toxic gases.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Control the spill at its source. Contain spill to prevent spreading, contaminating soil or entering waterways. Clean up spills immediately. If a solid, sweep up material and place in a compatible container for disposal. Scrub area with hard water detergent (such as Tide or Joy). Recover wash waters with additional absorbent and place in compatible containers for 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: If TLV is exceeded, use NIOSH-approved respirator with N, P or R95 filter and organic vapor cartridge.
Ventilation: Local exhaust sufficient.
Gloves: Chemical-resistant gloves, such as nitrile, butyl
Eyes: Chemical splash goggles.
Other: Coveralls, socks, chemical-resistant footwear, emergency shower and eyewash.

IX. SPECIAL PRECAUTIONS

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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. Store in well-ventilated area. Prevent eating, drinking, tobacco use or cosmetic application in areas where there is a potential for exposure to this product.

Other precaution: Atrazine 4F is a Restricted Use Pesticide, for retail sale to and use only by certified applicators or those persons under their direct supervision.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT.
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.
Ethylene Glycol	5,000 lbs (>9,600 gallons of mixture)

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 0 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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