

Material Safety Data Sheet

Effective Date: 25-JAN-2004
Product: ATRAZINE 90DG

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: 100-585-5905

II. PHYSICAL DATA

Boiling Point: Not applicable
Freezing Point: Not applicable
Spec Gravity: 0.48 g/cubic meter
Vapor Pressure: 2.9×10^{-7} mm/Hg
Vapor Density: Not applicable
Solubility: 33 mg/L
Volatiles: Not determined
Evaporation: Not applicable
Melting Point: Not available
Appearance: Light, beige granules; earthy, loamy odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Atrazine	1912-24-9	88.20	5 mg/m3	Skin and eye irritant.
Inert Ingredients		11.80	N/E	Non-hazardous

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not applicable
Autoignition Temp: 896 Deg F.
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.
Fire and Expl Hazard: Irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Material Safety Data Sheet

Effective Date: 25-JAN-2004
Product: ATRAZINE 90DG

V. HEALTH HAZARD

Carcinogen Information: IARC Group 3 (Atrazine)

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Slightly toxic by ingestion. Acute Oral LD50 (rat) >2,000 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. Acute Inhalation LC50 (rat) >2.6 mg/L/4H.
Skin contact: Mildly irritating with skin contact. Not a sensitizer in laboratory tests.
Eye Contact: Minimally irritating with eye contact. May cause temporary redness.
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 physician or poison control center.
Eyes: Immediately flush eyes with water for at least 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.

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

25-JAN-2004 09:46:06
Page 3 Of 4

Material Safety Data Sheet

Effective Date: 25-JAN-2004
Product: ATRAZINE 90DG

VI. REACTIVITY

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

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Control the spill at its source. Contain the spill to prevent spreading, contaminating soil or entering water ways. If a solid, sweep up material and place in a compatible container for disposal. Scrub area with a 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 class 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

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

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

25-JAN-2004 09:46:06
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 25-JAN-2004
Product: ATRAZINE 90DG

Other precaution: Atrazine 90DG 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 D.O.T.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Compound, Weed Killing, Solid (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

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
Helena Chemical Company believes that the data contained herein is factual.
This data is not to be taken as a warranty or representation of legal
responsibility. It is offered solely for your consideration, investigation
and verification.