



Health	2
Fire	0
Reactivity	0
Personal Protection	0

## Material Safety Data Sheet

### Atrazine

#### 1: Chemical Product and Company Identification

**Product Name:** Atrazine

**Catalog Code:** 30632000-1

**CAS#:** 1912-24-9

**RTECS:** Not available.

**TSCA:** TSCA 8(b) inventory : Atrazine

**CI#:** Not available.

**Synonym:** 2-Chloro-4-ethylamineisopropylamine-s-triazine; 1-Chloro-3-ethylamino-5-isopropylamino-s-triazine; 1-Chloro-3-ethylamino-5-isopropylamino-2,4,6-triazine; 2-Chloro-4-ethylamino-6-isopropylamino-s-triazine; 2-Chloro-4-ethylamino-6-isopropylamino-1,3,5-triazine; 6-Chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine; 2-Chloro-4-(2-propylamino)-6-ethylamino-s-triazine.

**Chemical Name:** 2-Chloro-4-ethylamineisopropylamine-s-triazine

**Chemical Formula:** C<sub>8</sub>H<sub>14</sub>ClN<sub>5</sub>

#### Contact information:

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**In case of a chemical emergency, contact local hospital.**

**For non-emergency assistance, call: 1-800-860-9729**

#### 2: Composition and Information on Ingredients

##### Composition:

Name	CAS#	% by Weight
Atrazine	1912-24-9	-

##### Toxicological Data on Ingredients:

LD<sub>50</sub> (Oral, Rat): 672 mg/kg

LD<sub>50</sub> (Inhalation, Rat): 5,200 mg/m<sup>3</sup>

LD<sub>50</sub> (Oral, Mouse): 850 mg/kg

#### 3: Hazards Identification

**Potential Acute Health Effects:** Harmful if swallowed. Risk of serious damage to eyes. May cause sensitization by skin contact. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Target organ(s): Central nervous system. Blood.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Possible carcinogen.

MUTAGENIC EFFECTS: Suspected mutagen.

TERATOGENIC EFFECTS: Suspected teratogen.

DEVELOPMENTAL TOXICITY: Maternal effects.

**4: First Aid Measures**

**Eye Contact:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Skin Contact:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Serious Inhalation:** Not available.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Serious Ingestion:** Not available.

**5: Fire and Explosion Data**

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Product of Combustion:** Carbon monoxide, Carbon dioxide.

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:**  
Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Dry chemical powder.

LARGE FIRE: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

#### 6: Accidental Release Measures

**Small Spill:** Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

#### 7: Handling and Storage

**Precautions:** Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**Storage:** Keep tightly closed.

#### 8: Exposure Controls/Personal Protection

**Engineering Controls:** Safety shower and eye bath. Mechanical exhaust required.

**Personal Protection:** Respiratory : Government approved respirator.

Hand: Chemical resistant gloves.

Eye: Safety glasses.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Boots. Dust respirator. Gloves.

**Exposure Limits:** ACGIH TWA: 5 MG/M3

NIOSH TWA: 5 MG/M3

#### 9: Physical and Chemical Properties

**Physical State and Appearance:** Solid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** 215.68 g/mole

**Color:** Not available.

**pH(1% soln/water):** Not available.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapour Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Soluble in chloroform

#### 10: Stability and Reactivity Data

**Stability:** Stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Strong acids, Strong bases, Strong oxidizing agents.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

#### 11: Toxicological Information

**Routes of Entry:** Skin contact. Eye contact. Ingestion. Inhalation.

##### Toxicity to Animals:

LD<sub>50</sub> (Oral, Rat): 672 mg/kg

LD<sub>50</sub> (Inhalation, Rat): 5,200 mg/m<sup>3</sup>

LC<sub>50</sub> (Skin, Rat): > 12500 mg/kg

LD<sub>50</sub> (Intraperitoneal, Rat): 235 mg/kg

LD<sub>50</sub> (Oral, Mouse): 850 mg/kg

LD<sub>50</sub> (Intraperitoneal, Mouse): 626 mg/kg

LD<sub>50</sub> (Oral, Rabbit): 750 mg/kg

LD<sub>50</sub> (Skin, Rabbit): 7500 mg/kg

**Chronic Effects on Humans:** Carcinogen: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. Carcinogenic by RTECS criteria.

IARC CARCINOGEN LIST Rating: Group 3

ACGIH CARCINOGEN LIST Rating: A4

Teratogen: Effects on embryo or fetus (Fetotoxicity).

Mutagen: Laboratory experiments have shown mutagenic effects; DNA damage

Reproductive Hazard: Maternal effects

**Other Toxic Effects on Humans:** Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes severe eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

## 12: Ecological Information

**Ecotoxicity:** EC<sub>50</sub> [ Daphnia ( Daphnia magna)]: 6.9 mg/l/48H  
LC<sub>50</sub> [ Fish (Cyprinodon variegatus (Sheepshead minnow))]: 2 mg/l/96H  
LC<sub>50</sub> [ Fish (Lepomis macrochirus (Bluegill))]: 6.7 mg/l/96H

**BOD5 and COD:** Not available.

**Product of Biodegradation:** Not available.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

## 13: Disposal Considerations

**Waste Disposal:** Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

## 14: Transport Information

**DOT Classification:** Class: 6.1

**Identification:** UN#: 2811

Packing Group: III

Hazard Label: Toxic substances.

**Special Provisions for Transport:** Not available.

## 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory : Atrazine

**Other Regulations:** EU DIRECTIVES CLASSIFICATION

Symbol of Danger: Xn-N

Indication of Danger: Harmful. Dangerous for the environment.

R: 43-48/22-50/53

Risk Statements: May cause sensitization by skin contact.

Harmful: danger of serious damage to health by prolonged exposure if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S: 36/37-60-61

Safety Statements: Wear suitable protective clothing and gloves. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Other Classifications:**

**WHMIS(Canada):** Not available.

**DSCL(EEC):** Not available.

**HMIS(U.S.A):**

**Health Hazard:** 2

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:**

**National Fire Protection Association (U.S.A):**

**Health:** 2

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety goggles.

#### 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

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