

# SA-50 ATRAZINE 4L MATERIAL SAFETY DATA SHEET

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## Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.  
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## I. NOMENCLATURE

**Product Name:** SA-50 ATRAZINE 4L HERBICIDE EPA Reg. No.829-268  
**Chemical Name:** 2-Chloro-4-Ethylamino-6-Isopropylamino-S-Triazine  
**Formula:** C<sub>8</sub>-H<sub>14</sub>-Cl-N<sub>5</sub>  
**Chemical Family:** S-Triazine Herbicide

## II INGREDIENTS

Atrazine	40.8%	CAS No. 1912-24-9	TWA 5 mg/m <sup>3</sup>
Related Compounds	2.2%	N/A	N/A
Inert Ingredients	57.0% N/A	N/A	

## III. PHYSICAL PROPERTIES

**Boiling Point:** 103° C  
**Vapor Pressure:** (mmHg) 1.5 @ 20°C  
**Vapor Density:** (air=1) N/A  
**Solubility In Water:** 33 ppm @ 20°C (Technical).  
**Appearance/Odor:** Tan, milky liquid, odorless.

**Specific Gravity:** 1.12 @ 20°C (Typical)  
**Percent Volatile:** N/A  
**pH:** 6.2-6.8

## IV. FIRE AND EXPLOSION DATA

**Flash Point:** > 200°F (TCC) (Non-Combustible)  
**Extinguishing Media:** CO<sub>2</sub>, dry chemical, water.  
**Special Fire Fighting Procedures:** Wear full protective clothing and self-contained breathing equipment (air-pack). Evacuate nonessential personnel from area. Prevent runoff if possible.  
**Unusual Fire and Explosion Hazards:** None known.

## V. REACTIVITY

**Stability:** Stable  
**Conditions to avoid:** Excessive temperatures  
**Materials to Avoid:** Acids and alkalis  
**Hazardous Decomposition Products:** Carbon monoxide, hydrogen cyanide, acetonitrile  
**Hazardous Polymerization:** Will not Occur

## VI. FIRST AID

**If poisoning is suspected, immediately contact a physician, the nearest hospital, or nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow advice given.**

**First aid if SWALLOWED:** If victim is fully conscious, immediately give 1 or 2 glasses of water to drink and induce vomiting. Never give anything by mouth to an unconscious person. Apply artificial respiration if necessary. Seek medical attention immediately.

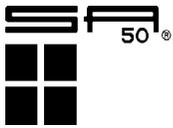
**First Aid for EYE Exposure:** Immediately flush eyes with large amounts of running water. Hold eye lids apart to rinse the entire surface of the eye and lids. Do not apply any medicating agents except on the advice of a physician. Get medical attention immediately if irritation persists.

**First Aid for SKIN Exposure:** Remove contaminated clothing and wash before reuse. Wash thoroughly, with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on the advice of a physician. Get medical attention immediately if irritation persists.

**First Aid for INHALATION:** Remove from exposure. Seek medical attention. Apply artificial respiration if necessary.

**Note to PHYSICIAN:** There is no specific antidote if atrazine 4L is ingested. If a large amount has been ingested and emesis has been inadequate, lavage stomach. Five mg/kg of activated charcoal suspension (50g/400 ml water) can be given to absorb the remaining toxicant.

Based on acute oral LD<sub>50</sub> in rats, ingestion of 2 ounces or more of atrazine 4L may be fatal to a human.



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### VII HEALTH HAZARD INFORMATION

**Symptoms of acute exposure.** Exposure to Atrazine 4L may cause irritation of the eyes, skin, or respiratory tract. If swallowed, nausea, vomiting, or diarrhea can result. A skin sensitization (allergic) reaction may occur in sensitive individuals.

**Carcinogenicity:** NTP/IARC/OSHA Carcinogen listing 10/94 No

**TLV:** 5mg/kg

#### Acute Toxicity/Irritation Studies

Ingestion: Oral LD<sub>50</sub>(Rat)=1,075 to 1,886 mg/kg body weight

Dermal Absorption Dermal LD<sub>50</sub> (Rabbit) = >5,000 mg/kg body weight

Inhalation LC<sub>50</sub> (Rat) = >4.1 mg/l air-4 hours

Eye Contact: mildly irritating (Rabbit)

Skin Contact: mildly irritating (Rabbit)

Skin Sensitization: Sensitizing (Guinea Pig)

Chronic Toxicity Studies: Long-term exposure to low levels of atrazine is not known to cause any ill effects in humans.

**Effects of overexposure:** Dermatitis, conjunctivitis, muscular weakness, hyperactivity, ptosis, dyspnea, convulsions.

### VIII. SPILL OR LEAK PROTECTION

**Steps To Be Taken If Spilled:** Cover spill with absorbent material or clay. Sweep up into disposable container. Mop up area with soap and water. Do not contaminate water supplies. Assure that protective equipment is worn during clean up.

**Waste Disposal:** Dispose of in accordance with local, State, and Federal regulations.

### IX. Special Protection

**Respiratory Protection:** NIOSH/MESA approved respirator with pesticide cartridge.

**Ventilation:** General: Acceptable Local Exhaust: Preferred (product is intended for use outdoors. Da

**Gloves:** Rubber impervious.

**Eye Protection:** Chemical goggles or safety glass with side shields.

**Other protective equipment:** Coveralls, long-sleeved shirt, rubber boots.

Shower after work. Wear freshly laundered work clothing.

Eye wash and facility for washing.

### X. SPECIAL PRECAUTIONS

**Handling Precautions:** Handle carefully so as to avoid container damage. Keep material in original containers. Store away from foodstuffs.

**Storing Precautions:** Do not put leaking packages into storage. Store at temperatures not exceeding 105°F.

**Other Precautions:** KEEP OUT OF REACH OF CHILDREN. Avoid contamination of feed and foodstuffs. Avoid contamination of water supplies, streams, and ponds.

D.O.T. Classification: Not regulated. No hazard label or placard required.

Reportable Quantity: N/A

Freight Description: Herbicides N.O.I. NMFC #50320

NFPA Hazard Ratings: Health 2, Fire 1, Reactivity 0.

(Rating: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Insignificant)

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

Date prepared Dec. 1995