

Atrazine

Chemical Name: CAS #:

Hazard Classification:

Location Used: Principal Investigator:

Processes for Which Chemical Is Used:

HAZARDS AND PROTECTION

Hazard Information

- Harmful if swallowed
- May cause allergic skin reaction
- Very toxic to aquatic life with long-term effects

Routes of Exposure

- Ingestion ● Skin Absorption
- Inhalation
- Eye absorption

If exposed by:

- Inhalation: Remove to fresh air. If not breathing give artificial respiration.
- Ingestion: Rinse mouth with water.
- Eyes: Rinse affected area for 15 minutes
- Skin: Wash with soap and water.

If exposed by inhalation, ingestion or on skin, seek medical attention. If eye exposure, seek medical attention if necessary.

Exposure Limits

All exposure limits are Time Weighted Averages (average exposure over an eight-hour day).

OSHA PEL: None published

ACGIH TLV: 5 mg/m³

NIOSH REL: 5 mg/m³

Engineering Controls

- Chemical Fume Hood Never open atrazine outside of a chemical fume hood.

Administrative Controls

- Designated area sign
- Particularly hazardous substance label
- Post designated area sign before each use.
- Label containers of atrazine as a health hazard.
- Use as small a quantity as possible.

Atrazine 1912-24-9

Health Hazard

ARKANSAS STATE UNIVERSITY EHS

LABORATORY CHEMICAL STANDARD OPERATING PROCEDURE

CS-013 Last Reviewed September 13, 2019

Personal Protective Equipment

- Gloves
- Safety glasses or splash goggles
- Lab coat

Nitrile gloves are an excellent barrier to atrazine.

Change gloves immediately if a spill on gloves is observed. Wash hands after use.

OTHER SAFETY INFORMATION

Transportation Follow guidance given in the laboratory safety manual for transport of chemicals.

Storage

- Can be stored with other dry chemicals but in a dedicated section for toxic chemicals.
- Keep tightly sealed

Incompatible materials include:

Strong acids, strong bases, strong oxidizing agents

Spill/Accident Procedures

For all spills:

- Wear two pairs of nitrile gloves
- Turn off sources of ignition (if safe)
- Evacuate the immediate area

Exposure:

- If anyone exposed requires emergency medical attention, dial 911 (or 9-911 from landline).
- Follow procedures outlined in laboratory safety manual.

Small spills (less than 2 kg): Small spills may be cleaned by sweeping up dry powder and placing them in a container. If the spill is a liquid, cover with absorbent material and then place the absorbent material container. Clean area with soap and water once spill is removed.

Large spills (greater than 2 kg): If the spill is in a chemical fume hood, contact the EHS director (864-710-2933). If he cannot be reached (does not answer phone, do not leave voicemail), then call 911, pull the fire alarm and exit the building. If the spill is outside of a hood, then call 911, pull the fire alarm and exit the building.

Waste Disposal Waste atrazine must be collected for disposal.

Empty bottles of atrazine may be rinsed and thrown in the dumpster.

By signing below, you indicate that you have reviewed this SOP and understand the contents thereof

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