



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO.,LTD

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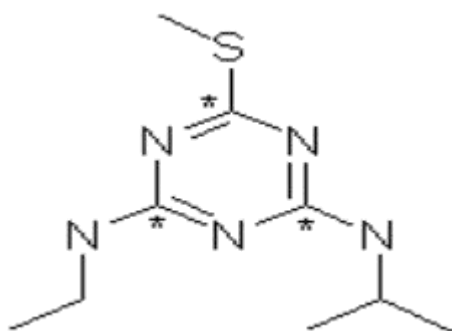
1. Chemical Product Identification

Product Name: Ametryn 97% TC

Molecular Formula: C₉H₁₇N₅S

Molecular Weight: 227.12

Structural Formula:



Chemical Name: N2-ethyl-N4-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine (IUPAC)

Form: Powder

Color: White or gray

CAS No.: 834-12-8

UN NO.: 3077

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Ametryn	834-12-8	97.0
Other ingredients	---	3.0



3. Hazards Identification

Eye and Skin contact: May cause mild to moderate irritation. Unlikely to cause more than mild discomfort, which should disappear once contact ceases. Acute eye exposure in rabbits causes a temporary irritation.

Ingestion: Harmful. The acute toxicity to technical triazines for man is thought to be low, and no adverse health effects from exposure to these herbicides have been reported. Ametryn is slightly toxic to humans. Symptoms of acute exposure to high doses include nausea, vomiting, diarrhea, muscle weakness, and salivation.

Inhalation: May cause mild irritation to respiratory tract. No hazards in normal use, is expected.

4. First Aid Measures

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

Ingestion: Immediately rinse mouth with water. If swallowed, do not induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Get to a doctor or hospital quickly.

Notes to physician: Treat symptomatically.

5. Fire-Fighting Measures

Specific hazards: Non-combustible material.

Fire fighting further advice: Not combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of



exposure to vapour or products of combustion.

Hazchem Code: Not applicable.

Suitable extinguishing media: Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. Accidental Release Measures

Small spills: Wear protective equipment to prevent skin and eye contamination. Collect and seal in properly labeled containers or drums for disposal.

Large spills: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable.

7. Handling And Storage

Handling: Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

Storage: Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. Exposure Controls/Personal Protection

National occupational exposure limits: No value assigned for this specific material. Stel (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Personal protection equipment: overalls, safety shoes, chemical goggles, gloves.

9. Physical and Chemical Properties

Appearance: White or gray powder

pH: 6.0-9.0



Solubility: 200 mg/l at 20°C in water. In Other Solvents: 56.9 g/L in acetone, 1.4 g/L in n-hexane, 4.6 g/L in toluene (all at 20°C)

Melting Point: 86.3-87.0 °C.

Vapor Pressure: 0.365 mPa

Partition Coefficient: LogP=2.63 (pH 7, 20°C)

Adsorption Coefficient: Not Available

10. Stability and Reactivity

Chemical stability: This material is stable when stored and used as directed.

Conditions to avoid: No information available.

Incompatible Materials: No information available.

Hazardous decomposition products: No information available.

Hazardous reactions: No information available.

11. Toxicological Information

Acute oral LD50 for rat: 1009 a.i.mg/kg.

Acute dermal LD50 for rabbit: >2020 a.i.mg/kg.

Inhalation LC50 (4 h) for rat: >5.03 a.i.mg/L.

Skin Irritation: Non-irritating to skin (rabbits).

Eye Irritation: Non-irritating to eyes (rabbits).

Skin Sensitization: Not a skin sensitiser (guinea pigs)

12. Ecological And Ecotoxicological Information

Effect on birds: low toxicity to birds, acute oral LD50 for Mallard ducks is >5620 a.i.mg/kg.

Effect on fish: moderate toxicity to fish, acute 96 hour LC50 for Rainbow trout is 5 a.i.mg/L.

Effect on aquatic invertebrates: moderate toxicity to aquatic invertebrates, acute 48 hour EC50 for Daphnia magna is 28 a.i.mg/L.

Effect on algae: high toxicity to algae, acute 72 hour EC50 for Raphidocelis subcapitata is 0.0036 a.i.mg/L.

Effect on honeybees: low toxicity to honeybees, oral acute 48 hour LD50 is >100 a.i.µg/bee.

Effect on earthworms: moderate toxicity to earthworms, acute 14 day LC50 is 166 a.i.mg/kg.

13. Disposal Considerations



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Refer to State/Territory Land Waste Management Authority. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. Transport Information

Hazard class: 9

UN NO. : 3077

Packing Group: III.

15. Regulatory Information

Not Applicable .

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.