

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Issuing Date 16-Jul-2025

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Revision Number 1

## 1. Identification

### Product identifier

Product Name ACTYLIS ATRAZINE 90DF

### Other means of identification

Product Code ACTYLIS ATRAZINE 90DF HERBICIDE

CAS Number Mixture

Synonyms None

Other Information EPA Reg. No. 2749-659

### Recommended use of the chemical and restrictions on use

Recommended Use Agriculture

Restriction on Use Do not use where contact with food or drinking water is possible Avoid prolonged contact with eyes, skin, and clothing

### Details of the supplier of the safety data sheet

#### Supplier Address

ACETO LIFE SCIENCES, L.L.C.  
4 Tri Harbor Court  
Port Washington, NY 11050-4661  
Phone: (516) 627-6000  
Fax: (516) 627-6093  
Email: aceto@aceto.com

### Emergency telephone number

Emergency telephone number(s) ChemTrec: 1-800-424-9300  
Outside of the United States: 1-703-527-3887

## 2. Hazard(s) identification

### Classification

Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (repeated exposure)	Category 2

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements



### Warning

### Hazard statements

May form combustible dust concentrations in air.  
Causes serious eye irritation.  
May cause damage to organs through prolonged or repeated exposure.

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/clothing and eye/face protection.  
Do not breathe dust/fume/gas/mist/vapors/spray.

### Precautionary Statements - Response

Get medical advice/attention if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

### Other Information

No information available.

## 3. Composition/information on ingredients

### Substance

Synonyms Not available

Formula Not available

Chemical name	CAS No.	Weight-%	Trade secret
Atrazine	1912-24-9	88	
Related Triazines	NA	2	

## 4. First-aid measures

### Description of first aid measures

Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Take off contaminated clothing and wash before reuse. Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	Get medical attention. Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Effects of Exposure	No information available.

### Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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## 5. Fire-fighting measures

Suitable Extinguishing Media	Water spray or fog. Foam. Dry chemical. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	No information available.
Hazardous Combustion Products	Carbon dioxide (CO2). other asphyxiates may be formed.
Explosion Data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Atrazine 1912-24-9	TWA: 2 mg/m <sup>3</sup> inhalable particulate matter	(vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Related Triazines NA	-	-	-

### Appropriate engineering controls

**Engineering controls**                      Showers  
    Eyewash stations  
    Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection**                      No special protective equipment required.

#### Gloves

**Skin and body protection**                      No special protective equipment required.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Solid
Appearance	Grayish Tan Granules
Color	Grayish; Tan
Odor	Slightly Sweet
Odor Threshold	No information available

Property	Values	Remarks • Method
pH	No data available	None known
pH (as aqueous solution)		None known
Melting point / Freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative density	No data available	None known
Water solubility	Disperses	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature °C	480 °C / 896 °F	No information available
Decomposition temperature		None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known

### Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC content	No information available
Liquid Density	No information available
Bulk density	30 lbs./cu ft +/- 0.4 lbs

## 10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to Avoid	dust formation.
Incompatible materials	Strong acids.
Hazardous decomposition products	Ammonia. Hydrogen Chloride. ethyl chloride. Carbon Monoxide under fire or very high heat conditions.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	May be harmful by inhalation.
Eye contact	Moderately irritating to the eyes.
Skin contact	No known hazard in contact with skin.
Ingestion	May be harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Acute toxicity

**Numerical measures of toxicity**  
No information available

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 > 3,100 mg/kg  
Dermal LD50 > 3,000 mg/kg  
Inhalation LC50 > 5.0 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Atrazine 1912-24-9	-	-	-
Related Triazines NA	-	-	-

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
Atrazine 1912-24-9	A3	Group 3	-	-
Related Triazines NA	-	-	-	-

**Reproductive toxicity** No information available.

<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b>Other Adverse Effects</b>	No information available.
<b>Interactive effects</b>	No information available.



## 12. Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Atrazine 1912-24-9	EC50: =0.03mg/L (72h, Desmodesmus subspicatus) EC50: 0.014 - 0.027mg/L (96h, Desmodesmus subspicatus) EC50: =0.072mg/L (72h, Desmodesmus subspicatus) EC50: =0.13mg/L (96h, Pseudokirchneriella subcapitata) EC50: =0.2mg/L (72h, Pseudokirchneriella subcapitata) EC50: =0.004mg/L (96h, Pseudokirchneriella subcapitata) EC50: 0.0096 - 0.07mg/L (72h, Pseudokirchneriella subcapitata) EC50: =0.0929mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 4.5 - 11mg/L (96h, Oncorhynchus mykiss) LC50: 3 - 6.75mg/L (96h, Oncorhynchus mykiss) LC50: =16mg/L (96h, Lepomis macrochirus) LC50: >8mg/L (96h, Lepomis macrochirus) LC50: =23.999mg/L (96h, Lepomis macrochirus) LC50: =19mg/L (96h, Cyprinus carpio) LC50: 15.7 - 20.2mg/L (96h, Cyprinus carpio) LC50: 5.4 - 8.4mg/L (96h, Lepomis macrochirus) LC50: >4.1mg/L (96h, Pimephales promelas) LC50: =4.3mg/L (96h, Poecilia reticulata)	-	EC50: 5.2 - 8.1mg/L (48h, Daphnia magna)
Related Triazines NA	-	-	-	-

**Persistence/Degradability** No information available.

**Bioaccumulation** There is no data for this product.

Chemical name	Partition coefficient
Atrazine 1912-24-9	2.59
Related Triazines NA	-

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

### 14. Transport information

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	
UN number or ID number	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Transport hazard class(es)	9
Packing group	III
Technical Name	Atrazine
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Atrazine), 9, III
Special Provisions	A97, A158, A179, A197, A215
ERG Code	9L
<u>IMDG</u>	
UN number or ID number	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Transport hazard class(es)	9
Packing Group	III
EmS No.	F-A, S-F
Special Provisions	274, 335, 375, 966, 967, 969
Marine pollutant	NP
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Atrazine), 9, III

### 15. Regulatory information

#### International Inventories

TSCA	Does not comply
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Chemical name	CAS No.	Inventory Listing Status	Commercial Activity Designation
Atrazine	1912-24-9	Present	Active
Related Triazines	NA	-	Unknown *

Chemical name	CAS No.	References
Atrazine	1912-24-9	-

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Chemical name	CAS No.	References
Related Triazines	NA	-

<b>DSL/NDL</b>	Does not comply
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AIIC</b>	Does not comply
<b>NZIoC</b>	Does not comply

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing Chemicals Inventory  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals

### **Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Atrazine 1912-24-9	-	-	-	-
Related Triazines NA	-	-	-	-

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Atrazine 1912-24-9	-	-	
Related Triazines NA	-	-	

### **US State Regulations**

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
Atrazine - 1912-24-9	Developmental Female Reproductive

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Atrazine 1912-24-9	X	X	X
Related Triazines NA	-	-	-

**U.S. EPA Label Information**

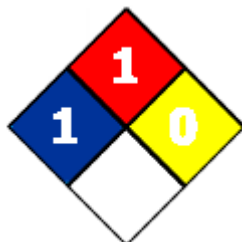
**EPA Pesticide Registration Number** 2749-659

**EPA Statement**

In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA. This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required by Safety Data Sheets, and for workplace labels of non-pesticide chemicals.

## 16. Other information

**NFPA** Health hazards 1 Flammability 1 Instability 0 Special hazards -



### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitizers		

### Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
 United Nations World Health Organization (WHO)

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**Revision Summary**

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**