

# MATERIAL SAFETY DATA SHEET

# ATRAZINE 90 WDG HERBICIDE

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### FORMULATED FOR:

Loveland Products, Inc.  
P.O. Box 1286 • Greeley, CO 80632-1286

**24-Hour Emergency Phone:** 1-800-424-9300  
**Medical Emergencies:** 1-800-301-7976

**PRODUCT NAME:** ATRAZINE 90 WDG HERBICIDE  
**CHEMICAL NAME:** Atrazine; (2-chloro-4-ethylamino-6-isopropylamino-s-triazine)  
**CHEMICAL FAMILY:** Triazine Herbicide  
**EPA REG. NO.:** 34704-622  
**MSDS Number:** 000622-03-LPI **MSDS Revisions:** New

**Date Of Issue:** 11/04/03

**Supersedes:** New

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV Units</u>
Atrazine	85.50	1912-24-9	5 mg/m <sup>3</sup>
Related Compounds	4.50		
Inert Ingredients	10.00		

## 3. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – CAUTION –** Harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing dust. Causes eye irritation. Avoid contact with eyes, skin or clothing.

This product is a gray to tan to light brown granule with virtually no odor.

### Warning Statements:

**NOTE TO PHYSICIAN:** There is no specific antidote for Atrazine. If this product is ingested, induce emesis or lavage stomach. The use of aqueous slurry of activated charcoal may be considered.

## 4. FIRST AID MEASURES

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-301-7976.** Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** Does not flash.  
**FLAMMABLE LIMITS (LEL & UEL):** None established  
**EXTINGUISHING MEDIA:** Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.  
**HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition products may be irritating and toxic gases may be generated.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus with full protective clothing.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies.

## 6. ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Control the spill at its source. Sweep up material and place in a container for possible land application according to label use or for proper disposal. Check local, state and federal regulations for proper disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

## 7. HANDLING AND STORAGE

**HANDLING:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**STORAGE:** Store in a safe manner. Store in original container only. Store in a cool, dry place. Do not contaminate water, food, or feed by handling and storage of product.

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## EPA HANDLER REQUIREMENTS

### Worker Protection Standard – 40 CFR 170

**Personal Protective Equipment: Applicators and other handlers must wear:** long sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton®, chemical resistant footwear plus socks. **Mixers and loaders must wear:** long sleeved shirt and long pants, chemical resistant gloves such as Barrier Laminate, nitrile Rubber, Neoprene Rubber or Viton®, chemical resistant footwear plus socks, and protective eyewear. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**RESPIRATORY PROTECTION:** Not normally required, if dusts or mists exceed acceptable levels, wear a NIOSH approved respirator with cartridges and dust pre-filters for pesticides.

**EYE PROTECTION:** Chemical goggles or shielded safety glasses.

**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Atrazine	not established	5 mg/m <sup>3</sup>
Nuisance particulates	15 mg/m <sup>3</sup> (total dust)	not established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** Gray to tan to light brown granule with virtually no odor.

**SOLUBILITY:** Disperses

**SPECIFIC GRAVITY (Water= 1):** 0.56-0.721 g/ml

**BULK DENSITY:** 35-45 lbs/ft<sup>3</sup>

**pH:** Not established

**VAPOR PRESSURE:** Not applicable

**BOILING POINT:** Not applicable

**PERCENT VOLATILE (by volume):** Not applicable

**EVAPORATION RATE:** Not applicable

Note: These physical data are typical values based on material tested but may vary from sample to sample.

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Excessive heat and moisture.

**INCOMPATIBILITY:** Strong oxidizers, acids, and bases. Moisture may cause caking of product.

**HAZARDOUS DECOMPOSITION PRODUCTS:** HCN, oxides of nitrogen, acetonitrile, chlorine-containing compounds and other unknown hazardous material may be formed in a fire situation. Oxides of carbon and/or other asphyxiants may be formed from incomplete combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub> (rat):** 1780 mg/kg

**Acute Dermal LD<sub>50</sub> (rabbit):** > 7500 mg/kg

**Eye Irritation (rabbit):** Slight irritation

**Skin Irritation (rabbit):** Slight irritation

**Inhalation LC<sub>50</sub> (rat):** >5200 mg/L (4 hr).

**Ingestion:** May cause stomach distress, nausea or vomiting.

**Carcinogenic Potential:** None listed in OSHA, NTP or ACGIH; IARC Group 3

**Target Organs:** Atrazine: eyes, skin, respiratory system, CNS, liver

## 12. ECOLOGICAL INFORMATION

Atrazine is toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to lakes, streams, or ponds. Use with care when applying in areas adjacent to any body of water. Do not apply when weather conditions favor drift from target area. Do not contaminate water when disposing of equipment wash waters.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations. Do not reuse product containers

Completely empty container into application equipment. Then dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORT INFORMATION

**DOT Shipping Description:** NOT REGULATED BY USDOT

**U.S. Surface Freight Classification:** COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2:CLASS: 60)

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

**15. REGULATORY INFORMATION**

<b>NFPA &amp; HMIS Hazard Ratings:</b>	NFPA		HMIS
	2 Health	0 Least	2 Health
	0 Flammability	1 Slight	0 Flammability
	1 Instability	2 Moderate	1 Reactivity
		3 High	H PPE
		4 Severe	

**SARA Hazard Notification/Reporting**  
**SARA Title III Hazard Category:** Immediate Y Fire N Sudden Release of Pressure N  
 Delayed Y Reactive N

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed  
**SARA, Title III, Section 313:** Atrazine (CAS: 1912-24-9) 85.5%  
**RCRA Waste Code:** Not listed  
**CA Proposition 65:** Not listed.

**16. OTHER**

**MSDS STATUS:** New  
**PREPARED BY:** Registrations and Regulatory Affairs **REVIEWED BY:** Environmental/ Regulatory Services

*This product is a Restricted Use Pesticide (Ground and Surface Water Concerns)*  
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