## I. COMPANY/PRODUCT IDENTIFICATION

# Winfield Solutions, LLC P.O. Box 64589 St. Paul, MN 55164-0589

# In Case of Medical Emergency Call: (877) 424-7452 [US] or Chemical Emergency Call: (800) 424-9300 [CHEMTREC,24 hours]

PRODUCT NAME: Product Class:	ATRAZINE 4L Triazine Herbicide
Synonyms: Active Ingredient(s) and/ or Primary Component(s) :	Atrazine 2-chloro, 4-ethylamino, 6-isopropylamino -s- triazine
Chemical Family:	Mixture

EPA Reg. No. 1381-158

2. COMPOSITION/INFORMATION OF HAZARDOUS INGREDIENTS			
CAS NUMBER	HAZARD	% BY WEIGHT	
1912-24-9	OSHA	40.8	
	OSHA	2.2	
107-21-1	OSHA	>6.0	
	No	54.0	
	CAS NUMBER 1912-24-9	CAS NUMBERHAZARD1912-24-9OSHA0SHAOSHA107-21-1OSHA	

\*Trade secret information available as provided in 29 CFR 1910.1200 (i)

For EXPOSURE GUIDELINES, See page 3, section 8 of this MSDS

## 3. HAZARDS IDENTIFICATION

## **EFFECTS OF OVEREXPOSURE**

## ACUTE (SHORT TERM EXPOSURE):

EYE: May cause slight tempory irritation SKIN CONTACT: Prolonged exposure may cause skin irritation and redness. INGESTION: May cause gastric distress, lethargy, muscle weakness. INHALATION: May cause labored breathing.

#### CHRONIC (LONG TERM EXPOSURE):

Not listed as a carcinogen by NRC, IARC or OSHA

#### **GENERAL PRECAUTIONS:**

Always practice good industrial hygiene; handle with care; avoid personal contact. Do not get into eyes or on skin; do not breathe mist or vapor of product. Do not swallow. Wash hands with soap and water and rinse after handling product. Shower after each shift. Wash all work clothing and completely clean all PPE (personal protective equipment) after each shift.

#### MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:

Skin contact may aggravate preexisting skin conditions. Inhalation of mists may aggravate preexisting respiratory

## PRIMARY ROUTE OF ENTRY: $\square$ INHALATION $\square$ INGESTION $\square$ ABSORPTION

#### 4. FIRST AID MEASURES

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or doctor for further treatment advice.

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

## NOTE TO PHYSICIAN: (ANTIDOTE)

There is no specific antidote for atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES LOWER EXPLOSIVE LIMIT UPPER EXPLOSIVE LIMIT FLASH FLAMMABLE POINT LIMITS (LEL) (UEL) N/E N/E N/E N/E **EXTINGUISHING MEDIA:** WATER SPRAY FOAM $\boxtimes$ CO<sub>2</sub> **CHEMICAL** (SPECIFY):

## SPECIAL FIRE FIGHTING PROCEDURES:

If water is used, use a soft fog to avoid spreading contamination. Use self-contained breathing apparatus and full protective gear in confined areas of buildings. Contain water to prevent entry into water supplies.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

## 6. ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product as possible

Page 3 of 5 using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1 -2 inches. Prevent the spilled product or washings from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

## **REPORTABLE QUANTITY (RQ) UNDER CERCLA:**

For Ethylene Glycol – 5000 lbs.

## 7. HANDLING AND STORAGE

## **STORAGE TEMPERATURES:**

INDOOR

OUTDOOR

REFRIGERATED

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in area designated specifically for pesticides. Do not store near any material intended for use or

consumption by humans or animals. Store in a cool dry place. Do not store in direct sunlight. Do not contaminate water, food, or feed by storage, disposal, or by cleaning of equipment. Do not reuse empty container. Open dumping is prohibited.

# OTHER PRECAUTIONS: N/A

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION CHEMICAL NAME EXPOSURE LIMITS

Atrazine (technical) - OSHA (TWA) - N/E, ACGIH (TLV) - 5 mg/m<sup>3</sup>

Ethylene Glycol - OSHA (TWA) - N/E , ACGIH (TLV) – 125 mg/m<sup>3</sup> TWA

\*Trade secret information available as provided in 29 CFR 1910.1200 (i)

VALUES ARE 8-HR. TIME-WEIGHTED-AVERAGES UNLESS OTHERWISE SPECIFIED

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont.)

## **ENGINEERING CONTROLS:** Local exhaust or general ventilation to maintain exposure below PEL.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

- **EYE/FACE PROTECTION:** Safety glasses or goggles.
- **HAND/SKIN PROTECTION:** Chemical resistant gloves, coveralls, apron and foot coverings.
- **RESPIRATORY PROTECTION:** If required, use NIOSH/MSHA approved respirator for organic vapors. Use positive prewhere exposure limits are exceeded.
- **WORK PRACTICES:** Minimize exposure. Wear appropriate PPE to prevent the probability of exposure and personal contact. Wash with soap and rinse thoroughly after handling material and before eating, drinking, smoking or using restroom facilities. Shower after each shift. Deluge safety shower and eye wash should be located in work area.

**NOTE TO END-USERS:** The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

9. PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE:	White or near white colored liquid	pH (AS IS):	N/E
BOILING POINT (°F):	~103° C	SOLUBILITY (WATER):	Miscible
BULK DENSITY:	N/A	SPECIFIC GRAVITY:	1.10

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COLOR:	White or near white	VAPOR DENSITY (Air = 1):	N/E
EVAP. RATE (BuAc=01):	N/E	VAPOR PRESSURE (mmHg):	3 X 10 <sup>-7</sup> mmHg @ 68° F
FREEZING POINT (°F):	N/E	VISCOSITY:	N/E
ODOR:	Odorless	% VOLATILE BY VOLUME:	N/E
10. STABILITY AND REA	CTIVITY		
CONDITIONS TO AVOID:	/	Avoid freezing and extreme heat co	nditions
INCOMPATIBILITY (MATE	,	Strong bases and acids	
HAZARDOUS DECOMPOS		Ammonia, hydrogen chloride, ethyl o monoxide.	chloride, and carbon
STABILITY:	🛛 STABLE		
HAZARDOUS POLYMERIZ		CUR 🛛 WILL NOT OCCUR	
11. TOXICOLOGICAL INF	ORMATION		
<b>ORAL LD</b> <sub>50</sub> Rat = 4346 mg/kg (extrapo from technical)	Dermal Li Delated Rabbit = >3100 (extrapolated from t	mg/kg N/E	LC <sub>50</sub>
EFFECTS TO EYES: Non	rritating.		
	ghtly irritating.		
11. TOXICOLOGICAL INF	ORMATION (cont.)		
CARCINOGENICITY REFE	RENCE SOURCES:		
I.A.R.C. Yes	<u>N.T.P.</u> Yes	<u>O.S.H.A.</u> [] Yes	
X No	X No	🛛 No	
12. ECOLOGICAL INFOR	MATION		
13. DISPOSAL CONSIDE	RATIONS		
	RDOUS WASTE INFORMATIO	<b>DN:</b> N/A* agency for additional information ar	nd requirements.
PESTICIDE DISPOSAL:			
Dispose of waste at an app	proved disposal facility.		
CONTAINER DISPOSAL:			
		This dispose of empty container in a ies, by burning. If burned, stay out o	
14. TRANSPORT INFORM	<b>IATION</b>		
	Domestic Road/Rail (DOT)		
	Export Water (IMO)		
	Air (ICAO/IATA)		
X	Not regulated as a hazardous	material by any mode of transporta	tion.
DOMESTIC ROAD/RAIL (D			
For Package Sizes:	•	shipped non-bulk in US over highwa	ay.]
Proper Shipping Name	e: N/A (not regulated	d).	
ERG Number:			
Placard (>1001 lbs.):	N/A		

Other Information: N/A

Marine Pollutant?

 $\Box$  Yes  $\boxtimes$  No

Chemical (s): NA

**EXPORT WATER (IMO)** 

AIR (ICAO/IATA)

information. Contact Winfield Solutions, LLC Environmental Health & Safety for additional information.

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#### FREIGHT TARIFF DESCRIPTION

Rate As: Insecticide/Fungicide, Agriculture, N.O.I., Solid

## **15. REGULATORY INFORMATION**

**SARA HAZARD CATEGORY** This product has been reviewed according to the EPA Hazard Categories promulgated under Section 311 and 312 of the Superfund Amendments and Reauthorization Act Of 1986 (Sara Title III) and is considered, under applicable definitions, to meet the following categories:

CERCLA/SARA: Immediate (acute), delayed (chronic)

TPQ: N/A

N/A

RQ: N/A

**SARA 313 INFORMATION** This product contains the following substances subject to the reprint requirements of SARA Title III, Section 313 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	<b>CONCENTRATION</b>
Atrazine	1912-24-9	43%
Ethylene Glycol	107-21-1	>6.0%

#### **16. OTHER INFORMATION**

HMIS RATINGS		NFPA RATING	
HEALTH	1	HEALTH	2
FLAMMABILITY	0	FLAMMABILITY	0
REACTIVITY	0	REACTIVITY	0
PERSONAL PROTECTION	В	SPECIFIC HAZARD	N/A
ABBREVIATION KEY			
N/A = Not Applicat	ble	C = Ceiling Limit	
STEL = Short Term	Exposure	N/D = Not Determ	ined
Limit			
rf = Respirable Frac	ction	SKIN = Skin Notat	tion
N/E = Not Establish	ned	td = Total Dust	