

MATERIAL SAFETY DATA SHEET

TREMOR ATZ LITE NXT HERBICIDE

1. **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**
2. WINFIELD SOLUTIONS, LLC
P.O. BOX 64589
St. Paul, MN 55164-0589

PRODUCT NAME: TREMOR ATZ LITE NXT HERBICIDE

EPA REG. NO.: 33270-25

CHEMICAL NAME: Acetochlor - Atrazine

CHEMICAL FAMILY: Chloroacetanilide / Triazine Herbicide

Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (CST)

EMERGENCY CONTACT:

FOR MEDICAL EMERGENCY: **1-877-424-7452 (24 hrs)**

In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals -- call **CHEMTREC (800) 424-9300**.

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION: Harmful If Swallowed or Inhaled. Causes moderate eye irritation. May Cause Allergic Skin Reaction.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Acetochlor: 2-chloro-2'-			
methyl-6'-ethyl-N-ethoxymethylacetanilide	46.3	34256-82-1	Not Established
Atrazine	18.3	1912-24-9	5 mg/m ³
Furilazole	≤4.0	121776-33-8	Not Established

4. FIRST AID MEASURES

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.

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 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 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.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT have the product container or label with you when calling a poison control center or doctor.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >200° F

FLAMMABLE LIMITS (LFL & UFL): No data available

EXTINGUISHING MEDIA: Use foam, dry chemical, carbon dioxide, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: Toxic fumes may be emitted in a fire situation.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If heated above the flash point, heavy vapors can flow along surfaces to distant ignition sources and flash back.

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FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus with full facepiece. Full firefighting gear (Bunker gear).

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide, water vapor and may produce oxides of carbon, nitrogen and phosphorous.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: In case of leak or spill, contain material and dispose as waste. Do not contaminate any body of water. Pick up spilled liquid with absorbent material and sweep up for disposal. Place it and damaged unusable containers in a landfill appropriate for nonhazardous chemical waste. Check local, state and federal regulations for proper disposal. After removal, scrub area with detergent and water, then neutralize with dilute alkaline solutions of soda ash or lime. **NOTE:** Prevent spilled material from flowing onto adjacent land, or into municipal sewers and open bodies of water. Always wear proper protective equipment when working with the product.

7. HANDLING AND STORAGE

HANDLING: Wash hands after handling, and 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: Keep out of reach of children. Avoid contact with eyes and skin. Keep away from food, drink and animal feeding stuffs. Exercise due caution to prevent damage to or leakage of the container. Store product in a cool, dry, well ventilated area, away from flammable materials and sources of heat or flame, in the original container with the lid tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

RESPIRATORY PROTECTION: Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

EYE PROTECTION: Wear chemical goggles or shielded safety glasses when handling and mixing product.

SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, shoes plus socks and chemical-resistant gloves. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.

Personal Protective Equipment (PPE): Eye protection, long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Pink suspension, mild

SOLUBILITY: Emulsifies **pH:** 7.0-8.5

SPECIFIC GRAVITY (Water=1): 1.11 g/ml

BULK DENSITY: 9.25 lbs/gal

VAPOR PRESSURE: Not available

BOILING POINT: Not established **PERCENT**

VOLATILE (by volume): Not volatile

EVAPORATION RATE: Not established

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 under recommended storage conditions.

CONDITIONS TO AVOID: Elevated temperatures can cause decomposition.

INCOMPATIBILITY: Avoid contact with metals such as mild steel.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Dependent upon temperature, air supply and the presence of other materials. Decomposition can include oxides of Carbon, Hydrogen and Nitrogen. Gases are released during decomposition.

11. TOXICOLOGICAL INFORMATION – Based on a similar formulation Acute Oral LD₅₀: >1200 mg/kg (Rat)

Acute Dermal LD₅₀: >5,000 mg/kg **Eye Irritation:** Slight eye irritant

Skin Irritation: Nonirritating

Inhalation LC₅₀: Greater than the maximum attainable concentration.
to be a contact sensitizer

Skin sensitization: This product is considered

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'Carcinogenic Potential: Acetochlor has caused cancer in laboratory animals.

12. ECOLOGICAL INFORMATION

This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the groundwater is shallow, may result in groundwater contamination.

Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable, i.e., well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

Toxicity - For similar material(s): Material is very highly toxic to aquatic organisms on an acute basis (LC50/EC50 <0.1 mg/L in the most sensitive species). As product: Material is slightly toxic to birds on an acute basis (LD50 between 501 and 2000 mg/kg).

Fish Acute & Prolonged Toxicity

As product: LC50, *Oncorhynchus mykiss* (rainbow trout), static test, 96 h: 1.2 mg/l

Aquatic Plant Toxicity

For similar material(s): EbC50, *Pseudokirchneriella subcapitata* (green algae), 72 h: 0.00501 mg/l

Toxicity to Above Ground Organisms

As product: oral LD50, *Colinus virginianus* (Bobwhite quail): 999 mg/kg bodyweight.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

Non-Refillable Containers: Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state and federal regulations.

Refillable Containers: Do not reuse the container except for refill in accordance with a valid Winfield Solutions repackaging or toll packaging agreement. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing process two more times.

14. TRANSPORT INFORMATION

DOT HAZARD CLASS: Not regulated by DOT

15. REGULATORY INFORMATION

NFPA RATINGS: Least = 0 Slight = 1 Moderate = 2 High = 3 Severe = 4

Ratings for this product: Health – 2 Flammability – 1 Reactivity – 1 Special Hazards – None Specified

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: None

SARA, Title III, Section 313: Atrazine CAS #1912-24-9 18.3%

CA Proposition 65: This product contains a chemical(s) known to the State of California to cause cancer: Acetochlor.

16. OTHER

Date of Issue: 03/09/20184 Supersedes: 01/21/2014 (United Suppliers version)

DISCLAIMER OF LIABILITY

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