



SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Nektron SC
DESCRIPTION: Liquid herbicide
EPA REG. NO.: 91234-195
COMPANY IDENTIFICATION: Atticus, LLC
5000 CentreGreen Way, Suite 100
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING

Harmful if swallowed (H302)

May be harmful in contact with skin (H313)

Toxic to aquatic life with long lasting effects (H402+H411)



HAZARD CLASSIFICATION

Health Hazards	Category	Physical Hazards	Category
Acute toxicity, oral	4	None	-
Acute toxicity, dermal	5	Environmental Hazards	Category
		Hazardous to the aquatic environment long-term (chronic)	2
		Hazardous to the aquatic environment short-term (acute)	3

HAZARDS NOT REQUIRING CLASSIFICATION

None

PRECAUTIONARY STATEMENTS

Wash hands and exposed skin thoroughly after handling. Do not eat drink or smoke when using this product. (P264+P270)

Avoid release to the environment not in accordance with the product label. (P273)

IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell. Rinse mouth. (P301+P312+P330)

IF ON SKIN: Call a POISON CENTER / doctor if you feel unwell. (P302+P312)

Collect spillage. (P391)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name	Chemical Name	CAS #	Composition
Ethofumesate	5-Benzofuranol, 2-ethoxy-2,3-dihydro-3,3-dimethyl-, methanesulfonate	26225-79-6	42.0%
Ethylene glycol	1,2-Ethanediol	107-21-1	≥5 - ≤10%
Sodium N-methyl-N-oleoyltaurate	Ethanesulfonic acid, 2-[methyl[(9Z)-1-oxo-9-octadecen-1-yl]amino]-, sodium salt (1:1)	137-20-2	≥1 - ≤3%

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information. For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC day or night at 1-800-424-9300.

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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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.

5. FIREFIGHTING MEASURES

Fire and Explosion Hazards: In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Extinguishing Medium: Foam, dry chemical, carbon dioxide (CO₂) or water spray (fog).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

Hazardous Combustion Products: None known.

NFPA Ratings: Health - 1 / Flammability - 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Avoid runoff into storm sewers or other bodies of water. Stop the source of the release. Contain and isolate to prevent further release into soil, surface water and ground water. Inform relevant authorities if product has caused environmental pollution (sewers, waterways, soil or air). May be harmful to environment if released in large quantities.

Spill Cleanup: Clean up spills immediately, observing precautions in Section 8 of this SDS. Isolate hazard area and keep unnecessary and / or unprotected personnel from entering the spill area.

Small Spills: Absorb small spills with sand, vermiculite or other inert absorbent material. Place contaminated material in a suitable container for disposal.

Large Spills: Control spill at the source and prevent material from entering soil, sewers, waterways or low areas. Dike large spills using absorbent or impervious material such as clay or sand. Recover materials for reuse or disposal. After removal, clean contaminated area thoroughly with water being sure to recover the wash liquid with additional absorbent material and place in a suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum or using tobacco.

Storage: Protect product from freezing temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Ensure adequate ventilation.

Protective Clothing: Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, and shoes plus socks.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white liquid
Odor:	faint organic sulfur
Melting/freezing point:	not available
Boiling point/Boiling range:	>100°C (>212°F)
Flammability:	not available
Flammability limits (upper/lower):	not available
Flash point:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
pH:	7
Kinematic viscosity:	not available
Solubility:	very slightly soluble in water
Partition coefficient:	not available
Vapor pressure:	not available
Specific gravity:	not available

Relative density:	1.14
Particle characteristics:	not available
Explosive Properties:	not available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Freezing temperatures.

CHEMICAL STABILITY: Stable at normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing materials

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition may occur with carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, and metal oxide(s).

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

The following information is for an identical or substantially similar product:

ORAL TOXICITY (rat LD₅₀): 967.1 mg/kg

DERMAL TOXICITY (rat LD₅₀): 2540.4 mg/kg

INHALATION TOXICITY (rat LC₅₀): No information available

EYE IRRITATION: Non-irritating (Rabbit)

SKIN IRRITATION: Non-irritating (Rabbit)

SKIN SENSITIZATION: Not a contact sensitizer (Guinea Pig)

CARCINOGENICITY:

EPA: Group D: Not classifiable as to human carcinogenicity (ethofumesate)

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

MUTAGENIC TOXICITY: Animal and bacterial testing did not show any mutagenic effects

REPRODUCTIVE TOXICITY / TERATOGENICITY: There was no evidence of carcinogenicity in mice or rats. Genotoxicity for ethofumesate was negative in all *in vitro* and *in vivo* assays

12. ECOLOGICAL INFORMATION

The available data indicate that ethofumesate is chronically toxic to freshwater invertebrates and acutely toxic to freshwater fish.

The following information is for the active ingredient, ethofumesate:

AQUATIC TOXICITY

Rainbow Trout (96-hr LC₅₀): 11.5 ppm

Pimephales promelas (NOEC): 2.56 ppm

Daphnia magna (48-hr EC₅₀): 64 ppm; (NOEC): 0.25 ppm

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT:

Containers ≤ 1.3 gals. (5 L) in strong outer packaging:

Not regulated

Containers > 1.3 gals. (5 L) shipped "ground only":

Not regulated

Containers > 1.3 gals. (5 L) shipped all or in part by vessel:

Shipping Description: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains ethofumesate), 9, PG III, Marine Pollutant

Hazardous substance RQ: 5,000 lbs.

Emergency Guide: 171

IMDG:

Containers ≤ 1.3 gals. (5 L) in strong outer packaging:

Not regulated

Containers > 1.3 gals. (5 L):

Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains ethofumesate), 9, PG III, Marine Pollutant

IATA:

Containers ≤ 1.3 gals. (5 L) in strong outer packaging:

Not regulated

Containers > 1.3 gals. (5 L):

Shipped internationally by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (contains ethofumesate), 9, PG III

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA –

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 for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listed requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate (acute)

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

Ethylene glycol (CAS No. 107-21-1)

CERCLA Reportable Quantity (RQ) –

Ethylene glycol (CAS No. 107-21-1): 5,000 lbs.

CALIFORNIA PROP 65 STATUS –



WARNING: This product can expose you to chemicals including ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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