


Section 1: Identification	
Product Name: AXXE [®]	Product Type/Description: Broad Spectrum Herbicide
Recommended Use/ Use Restrictions: Herbicide/ Pesticide; It is a violation of federal law to use this product in a manner inconsistent with its labeling	Other Means of Identification: Ammonium Nonanoate
	EPA Registrations Number: 70299-23
Manufacturer: BioSafe Systems LLC 22 Meadow Street, East Hartford, CT 06108 Telephone Number: (888-273-3088)	Emergency Number: 800-424-9300 (CHEMTREC)

Section 2: Hazard Identification		
GHS Classification (As Concentrate) Eye Damage / Eye Irritation – Category 2A	Hazard Statements: (As Concentrate) H318; Causes serious eye damage	Pictograms:  Signal Word: WARNING
Precautionary Statements:		
General: P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use. Prevention: P264: Wash thoroughly after handling P280: Wear eye protection, protective clothing, face protection, gloves	Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor if symptoms persist. P321: For specific treatments see FIRST AID section on SDS or label Storage: P410: Protect from sunlight Disposal: P501: Dispose of contents/container in accordance with local/regional/national/international regulations	
Other Information: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		

Section 3: Composition/Information on Ingredients		
Components:	CAS-No:	% Concentration by Weight:
Ammonium Nonanoate	63718-65-0	40%
Other Ingredients		60%

Section 4: First-aid Measures	
Eye Contact:	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
Skin Contact:	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 symptoms occur.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Inhalation:	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

Section 5: Fire-fighting Measures	
Suitable Extinguishing Media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable Extinguishing Media:	None Known
Combustion Products:	Carbon Oxides, Nitrogen oxides
Unusual Fire and Explosion Hazards:	In a fire or if heated, a pressure increase will occur and the container may burst..
Protective Equipment for Firefighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures	
Personal Precautions:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Emergency Procedures	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
Environmental Precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and Material for Containment and Cleaning up	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7: Handling and Storage	
Handling:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage:	Do not store below the following temperature: 0°C (32°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
General Occupational Hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 8: Exposure Controls/Personal Protection		
Components with workplace control parameters: Exposure Limits: None		
Engineering Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	
Personal Protection Equipment	Respiratory	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment by a qualified industrial hygienist indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
	Eye/Face Protection	Safety eyewear complying with an approved standard should be used when a risk assessment by a qualified industrial hygienist indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
	Hands	Chemical-resistant, impervious gloves
	Skin/Body	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
	General Hygienic Practices	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Section 9: Physical and Chemical Properties		
Appearance: Clear, pale liquid	Odor: Ammoniacal (slight)	pH: 8-9
Melting Point: No data available	Freezing Point: No data available	Boiling Point: 104.4°C (219.9°F)
Flash Point: Not applicable	Flammability: Not applicable	Flammable Limits: Not applicable
Vapor Pressure: No data available	Specific Gravity: 1.0 (8.35 lbs/gal)	Solubility(ies): soluble
Partition Coefficient n- octanol/water: No data available	Auto-ignition Temperature: No data available	Decomposition Temperature: No data available

Section 10: Stability and Reactivity	
Stability:	The product is stable.
Conditions to Avoid	Heat / Direct Sunlight
Incompatible materials	No specific data.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information		
Acute Toxicological Data:	Oral: LD50 rat > 5000 mg/kg	Dermal: LD50 rabbit > 2000 mg/kg
Inhalation: LD50 ND	Primary Skin irritation: NA	Primary Eye irritation: rabbit, severely irritating
Likely Routes of Exposure: Dermal		
Symptoms and effects:		
Eye Contact	Eye irritation	
Skin Contact	May irritate skin	
Ingestion	May be harmful if swallowed	

Section 12: Ecological Information	
Ecotoxicity	No known significant effects or critical hazards
Persistence and degradability	Not available
Bioaccumulation potential	No bioaccumulation
Mobility in Soil	N/A
Other adverse effects	N/A

Section 13: Disposal Considerations	
Waste From Residues and Unused Product	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdictions.
Contaminated Container Disposal	Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transport Information						
	UN Number	UN Proper Shipping Name	Hazard Class (Subsidiary)	Label (Subsidiary)	Packing Group	Marine Pollutant
US DOT	Not regulated	Not regulated	NA	NA	NA	No
Canada (TDG)	Not regulated	Not regulated	NA	NA	NA	No

Section 15: Regulatory Information

TSCA Inventory List: All components are listed or exempted.	US EPA CERCLA RQ: No products were found	
SARA Title III Section Extremely Hazardous Substance:	Section 304 EHS RQ: No products were found	Section 302 TPQ: No products were found
SARA Title III Sec. 311/312:	Hazard category: Immediate (acute) health hazard	
US. EPA EPCRA Section 313 listed: No products were found	Threshold quantity (processed or manufactured): NA	Threshold quantity (otherwise used): NA
Canadian WHIMIS Classification	Class D-2B: Material causing other toxic effects (Toxic).	
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.	
EPA	This product is a registered Pesticide with the United States Environmental Protection Agency and is subject to EPA labeling requirements under the Federal Insecticide, Fungicide, and Rodenticide Act ("FIFRA"). These requirements may differ from the classification criteria and hazard information required for a safety data sheet under the Global Harmonized Systems (GHS), and for workplace labels of non-pesticide chemicals. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Always refer to product label for further precautionary information and use directions.	

Section 16: Other Information

To the extent of our knowledge, the information herein is accurate as of the date of this document. However, neither BioSafe Systems nor any of its affiliates make any warranty, expressed or implied, or accept any liability in connection with the information or its use. The information is for use by technically skilled persons at their own discretions and risk. This is not a license or a patent. The user alone must finally determine suitability of any information or material for any contemplated use, the manner or use and whether any patents are infringed.



For additional information on AXXE, call us toll-free at 1.888.273.3088 or visit www.biosafesystems.com.

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