


SAFETY DATA SHEET (SDS)

AXXE[®] Canada

Form #:	SDS-119
Revision Date:	05/08/2019
Revision #:	02
Supersedes Date:	01/08/2017

Section 1: Identification			
Product Name:	AXXE [®] Canada	Product Type / Description:	Herbicide
Recommended Use:	Herbicide / Pesticide for commercial use.	Other Means of Identification:	Ammonium Salt of Fatty Acid
Use Restrictions:	It is a violation of federal law to use this product in a manner inconsistent with its labeling.		
Manufacturer:	BioSafe Systems, LLC 22 Meadow Street East Hartford, CT 06108	PMRA Registration #:	32719
Telephone Number:	1-888-273-3088	Emergency Number: 1-800-424-9300 (CHEMTREC)	

Section 2: Hazard Identification	
GHS Classification	Hazard Statements
Serious Eye Damage/Irritation: Category 2A	H319: Causes serious eye irritation.
Pictograms	Signal Word
	WARNING
Precautionary Statements	
General	Response
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.	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do not induce vomiting. P303+P361+P353: IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: IF INHALED: Move person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Prevention	Storage / Disposal
P264: Wash thoroughly after handling. P280: Wear protective gloves, clothing, eye protection, face protection.	P405: Store locked up. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition / Information on Ingredients		
Components	CAS-No	% Composition (w/w)
Ammonium Salt of Fatty Acid	84776-33-0	36,0%
Inert Ingredients	-	64,0%

Section 4: First-Aid Measures	
Eye Contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Skin Contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion:	Wash out mouth with water. 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:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Notes to Physician:	Treat symptomatically.

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Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Use alcohol-resistant foam, carbon dioxide, water or dry chemical spray.
Unsuitable Extinguishing Media:	None known.
Combustion Products:	None known, not combustible.
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:	Full chemical protection suits and boots (rubber or PVC) and self-contained breathing apparatus. Cordon the area to keep out all unnecessary personnel. Keep upwind. Use large quantities of water spray to fight fire. If safe to do, move product away from fire to secure area. Eliminate all possible sources of ignition and remove flammable material.

Section 6: Accidental Release Measures

Personal Precautions:	Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation.
Emergency Procedures:	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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Environmental Precautions:	Avoid dispersal of spilled 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 Clean-Up:	Small Spill: 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. Large Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

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:	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.
Incompatible Materials:	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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8: Exposure Controls / Personal Protection

Components with Workplace Control Parameters

Component	ACGIH	NIOSH	OSHA
Ammonium Salt of Fatty Acid	Not applicable.	Not applicable.	Not applicable.
Engineering Controls:	Ensure adequate ventilation to control worker exposure.		
General Hygienic Practices:	Do not eat, drink or smoke during use. Wash hands immediately after handling the product.		

Personal Protective Equipment

Respiratory Protection:	Use NIOSH-approved respirator where airborne concentrations of vapor are expected to exceed exposure limits.
Eye / Face Protection:	Chemical goggles or face shield.
Hand Protection:	Chemical resistant gloves.
Skin / Body Protection:	Wear suitable protective clothing.

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Section 9: Physical and Chemical Properties

Physical State:	Liquid.	Colour:	Pale, off white.	Odour:	Slight ammonia.
Melting Point / Freezing Point:	NA	Boiling Point:	104.4°C (219.9°F)	Flammability:	NA
Flammability Limits:	NA	Flash Point:	NA	Auto-Ignition Temperature:	NA
Decomposition Temperature:	NA	pH:	8.0 – 9.0.	Kinematic Viscosity:	NA
Solubility:	Complete	Partition Coefficient n-octanol / water:	NA	Vapor Pressure:	NA
Relative Density:	1.00	Vapor Density:	NA	Particle Characteristics:	NA

Section 10: Stability and Reactivity

Reactivity:	No specific data.
Stability:	Stable under normal conditions.
Conditions to Avoid:	No specific data.
Incompatible Materials:	No specific data.
Hazardous Decomposition Products:	Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides.

Section 11: Toxicological Information

Acute Toxicological Data			
Oral LD50 Rat:	>5000 mg/kg	Dermal LD50 Rabbit:	>2000 mg/kg
Inhalation LC50 Rat:	NA		
Symptoms and Effects			
Condition	Acute Effects	Chronic (Delayed) Effects	
Eye Contact:	Causes serious eye irritation.	Persistent irritation.	
Skin Contact:	No specific data.	None.	
Inhalation:	No specific data.	None.	
Ingestion:	No specific data.	None.	

Section 12: Ecological Information

Ecotoxicity:	Not available.
Persistence and Degradability:	Not available.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Results of PBT & vPvB:	Not available.
Other Adverse Effects:	Avoid release to the environment.

Section 13: Disposal Considerations

Waste from Residues and Unused Product:	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
Contaminated Container Disposal:	Do not reuse or refill containers. Triple rinse empty containers with clean water. Clean and empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information

UN Number	UN Proper Shipping Name	Hazard Class (Subsidiary)	Packing Group	IATA	Marine Pollutant
DOT	Not regulated			Permitted for shipment by air.	
TDG	Not regulated				
IMDG	Not regulated				
Special Precautions:		Keep container upright and secure for transport.			

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Section 15: Regulatory Information

DSL Inventory List		PMRA			
Ammonium Salt of Fatty Acid	Yes	This product is a pesticide registered by the Canadian Pest Management Regulatory Agency and is subject to the PMRA's labeling requirements under the Pest Control Products Act. These requirements may differ from the classification criteria and hazard information required for a Safety Data Sheet under the Globally Harmonized System (GHS), and for workplace labels of non-pesticide chemicals. Use of this product in a way that is inconsistent with its labeling is an offense under federal law. Always refer to the product label for other instructions and precautions.			

NFPA 704 Rating	Health:	2	Flammability:	0	Reactivity:	0	Special:	None
HMIS Rating	Health:	2	Flammability:	0	Physical:	0	PPE:	Recommended. (B)

PPE:	 
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Environmental Emergencies

Component	Canada - Environmental Emergencies - Part 1 Substances - Substances Likely to Explode - Minimum Threshold Quantities	Canada - Environmental Emergencies - Part 1 Substances - Substances Likely to Explode - Minimum Mixture Concentrations	Canada - Environmental Emergencies - Part 2 Substances - Substances Hazardous When Inhaled - Minimum Threshold Quantities	Canada - Environmental Emergencies - Part 2 Substances - Substances Hazardous When Inhaled - Minimum Mixture Concentrations
Ammonium Salt of Fatty Acid	NA	NA	NA	NA

Canadian National Pollutant Release Inventory

Ammonium Salt of Fatty Acid	NA
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Section 16: Other Information

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 relating to the information or its use. The information is for use by technically skilled persons at their own discretion 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. Always read and follow label directions.

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