

MATERIAL SAFETY DATA SHEET

BIG RIVERS AGRI SUPPLY



Updated: November 11, 2009
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Product Name: AXE™ - methylated canola oil + surfactant

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Axe**
Manufactured for: BIG RIVERS AGRI SUPPLY
2760 KELLER ROAD
OWENSBORO, KY 42301

Emergency telephone number: (Chemtrec Information 24 hours) 1-800-424-9300
For MSDS, Product Safety, or (Technical Support on Product) 1-888-786-4537
Regulatory inquiries, call:

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS#	OSHA PEL	ACGIH TLV	% By Wt.
Proprietary blend	N/A	N/A	N/A	100%

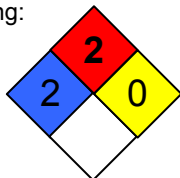
Contains 2–4% N-Butanol and 5–8% glycol ethers.

This product may contain trace amounts of ethylene oxide (75-21-8), acetaldehyde (75-07-0), and 1,4-Dioxane (123-91-1), and is listed in accordance with the regulations as specified in California Proposition 65. Ethylene oxide is a potential cancer and reproductive hazard. 1,4-Dioxane is a potential cancer hazard.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: N-Butanol – Combustible liquid, N.O.S. NA 1993

NFPA Hazard Rating:



Primary Routes of Exposure:

Eyes: **Yes**

Skin: **Yes**

Oral: **Unlikely**

Inhalation: **Unlikely**

Signs and Symptoms of Exposure:

Eye contact: May cause severe irritation or burning.

Skin contact: Will cause irritation and reddening.

Inhalation: May cause irritation to the nose, throat and respiratory system. May cause blurred vision, headache, dizziness and drowsiness.

Ingestion: Not likely route of entry. May be harmful if swallowed.

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE

Eye Exposure: Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes. Cold water may be used. Seek immediate medical attention.

Skin Exposure: Immediately remove contaminated clothing and wash affected area with plenty of soap and water. Cold water may be used. Seek immediate medical attention.

Inhalation: Move individual to fresh air. If breathing is difficult, give oxygen, or if not breathing, give artificial respiration. Seek immediate medical attention.

Ingestion: **Do not induce vomiting unless directed to do so by medical personnel.** If individual is fully conscious, give a large amount of water or milk to drink. Never give fluids or force vomiting if the person is unconscious, is having convulsions or has no gag reflex. Seek immediate medical attention.

Medical Conditions Aggravated by Overexposure: None known.

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5. FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

Flammability:	Combustible Liquid.	LEL:	N/D	UEL:	N/D
Auto-ignition temperature:	N/E				
Flash Point:	150°F (Pensky Martin Closed Cup)				
Extinguishing Media:	Water spray, dry chemical, foam or CO ₂ .				
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus. Use water to keep containers cool. Water or foam may cause frothing.				
Additional Fire and Explosive Data:	None.				

6. ACCIDENTAL RELEASE MEASURES

Evacuate the spill area, except for cleanup personnel. Wear NIOSH/OSHA-approved respirator and protective equipment as referenced in Section 8 below. Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Product is slippery under foot; flush smooth surfaces thoroughly. See Section 13 for disposal considerations.

7. HANDLING AND STORAGE

Precautions to be Taken in Handling: Keep away from heat, sparks and flame. Keep container closed. Wear appropriate equipment and clothing to prevent eye contact and repeated or prolonged skin contact as referenced in Section 8 below. Use in areas with adequate mechanical exhaust ventilation, or wear respirator.

Precautions to be Taken in Storage: Store in original container only. Store in a well ventilated, cool, dry, and secure area. Do not store near feed or food. Keep separate from other products to prevent cross contamination. Clean up spilled material immediately.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Note: When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.

Eye Protection: Wear splash-proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear chemically impervious gloves, protective apron, long-sleeved shirt, pants and boots to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.

Inhalation Protection: Not required under normal use conditions with good ventilation. Protect against spray mists. Respirator recommended in areas of poor ventilation.

Personal Protection in Case of Large Spill: Splash goggles. Full suit. Boots, gloves.

Other Protection: Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk or the work area per ANSI Z358.1-1990. Keep vapor concentration below 50 ppm, General dilution recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance & Odor:	Clear, straw-colored liquid with fatty odor.
Boiling Point:	N/D
pH:	5–7
Solubility in Water:	Emulsifiable.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Incompatibility:	Keep away from strong oxidizers such as hydrogen peroxide, bromine and chromic acid.
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Freezing or other extreme temperatures.

11. TOXICOLOGICAL INFORMATION

No toxicological data is available for this product.

12. ECOLOGICAL INFORMATION

No ecological data is available for this product.

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13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of material in compliance with applicable federal, state and local environmental regulations. Recycle or rework material if at all possible. Incinerate material at an approved facility, or treat at an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval of waste samples.

Container Reuse: An empty container can contain product residue, and should be not reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse. Discarded product is not an RCRA hazardous waste under 40 CFR 261.

14. TRANSPORT INFORMATION

DOT Status (Highway and rail): Classification: Combustible Liquid N.O.S. Shipping name : Combustible Liquid (Contains Butanol). UN1993.

IATA Status (Air): N/E

15. REGULATORY INFORMATION

SARA HAZARD: Sara Title III, 40 CFR 355, Extremely Hazardous Substances – None; 40 CFR Part 370, Hazardous Chemical Reporting – Applicable. EPA Hazard Categories: Immediate Health – Yes; Delayed Health – No; Fire – No; Sudden Pressure Release – No; Reactive – No; 40 CFR 372, Toxic Chemicals, Ammonium Nitrate, Case No. 6484-52-2, 32%.

AICS (Australia): Components listed.

DSL (Canada): Components listed.

EINECS (Europe): Components listed.

TSCA: Components listed.

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, BIG RIVERS AGRI SUPPLY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

N/R—Not Rated

N/D—Not Determined

N/A—Not Applicable

N/E—Not Established