



# SAFETY DATA SHEET

## SECTION I - PRODUCT & COMPANY IDENTIFICATION

Product name: BACTENIX® V300  
 Product codes: 6630  
 Description: Antimicrobial  
 Product use: For use in fuel ethanol fermentations.  
 Supplier name and address: **Lallemand Biofuels & Distilled Spirits**  
**Corporate Support Center, 1815 Satellite Boulevard, Building 200**  
**Duluth, GA 30097**

Information telephone: 1 (678) 474-4590  
 Emergency telephone : 1 (678) 474-4590

## SECTION II - HEALTH HAZARD IDENTIFICATION

Caution: Individuals with allergies or hypersensitivity to antibiotics should take caution. May cause allergic respiratory and skin reaction

Signs and symptoms of overexposure to Bactenix V300 through primary routes of exposure:

Skin contact: Dust may cause skin irritation.  
 Eye contact: Dust may cause eye irritation.  
 Inhalation: Inhalation of dust may cause respiratory tract irritation. Repeated exposure may lead to allergic sensitization in susceptible people.  
 Ingestion: May cause effects similar to those generally seen in clinical use of antibiotics including gastrointestinal irritation, vomiting, transient diarrhea, nausea and abdominal pain.

## SECTION III – DATA ON COMPONENTS

Product composition: Veterinary grade Erythromycin thiocyanate and dextrose

Active Ingredient	CAS #	% by weight	LD50 & LC50	OSHA PEL	ACGIH TLV
Erythromycin thiocyanate	7704-67-8	V300 80%	Not established	Not established	Not established

## SECTION IV – FIRST AID MEASURES (If any symptoms persist, seek medical attention)

Emergency and First aid procedures

Eye contact: Flush eyes for at least 15 minutes. If irritation persists seek medical attention.  
 Skin contact: Wash affected area with soap and water. Remove contaminated clothing and wash before reuse  
 Inhalation: Immediately remove person to fresh air, If allergic respiratory reaction occurs seek medical advice  
 Ingestion: Wash mouth and throat with water seek medical advice if symptoms persist

Medical conditions likely to be aggravated by exposure: Data suggest any pre-existing ailments in the following organs: gastrointestinal system, liver, cardiovascular system and thyroid



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## SECTION V – FIRE FIGHTING MEASURES

Lower explosive limit:	Not determined
Auto ignition temperature	Not determined
Extinguishing media:	Use appropriate medium for underlying cause of fire
Special Exposure Procedures:	Avoid inhalation of combustion products
Firefighting procedures:	Use self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

Spilled product should be removed immediately to avoid formation of dust. Collect waste in suitable container. Wear appropriate personal protection and maintain good housekeeping practices.

## SECTION VII – HANDLING & STORAGE

Handling:	Avoid formation of dust. Avoid contact with eyes, skin and clothing. Wear protective equipment described in Section VIII if exposure conditions warrant. Ensure good ventilation of the room when handling this product
Storage:	Store in original container in cool well ventilated area.

## SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	An approved respirator (ie NIOSH) should be worn when exposures are expected to exceed the applicable limits.
Eye contact:	Safety glasses/goggles recommended
Hand protection:	Rubber or vinyl gloves
Specific engineering controls:	Use local exhaust.
Work hygienic practices:	Wash hands and any other exposed areas thoroughly with soap and water after handling

## SECTION IX – PHYSICAL & CHEMICAL PROPERTIES

Chemical Family:	Antimicrobial
Physical state:	Solid
Appearance:	White to off-white crystalline powder
Odour:	Odorless or slight sweet odor.
Odour threshold:	No data available.
Specific gravity:	No data available.
Vapour pressure:	No data available
Vapour density:	No data available
Evaporation rate:	No data available.
Boiling point:	No data available.
Melting point:	Not determined
pH as supplied	5.0 – 7.0 as a 1% suspension
Decomposition temperature	Not determined
Viscosity:	No data available
Solubility.	Soluble in ethanol, methanol, acetone and water.
Auto ignition temperature	Not determined
Lower explosion limit	Not determined



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## SECTION X – STABILITY AND REACTIVITY

Stability:	Not determined
Incompatibility:	Not determined
Conditions to avoid:	Not determined
Hazardous decomposition products:	Not determined
Hazardous polymerization:	Not determined.

## SECTION XI – TOXICOLOGICAL INFORMATION

Oral dosage	Acute test: LD 50>
100% Erythromycin thiocyanate (mice)	Value: 7000 mg/kg
Dermal irritation:	Reported to be non irritant
Eye irritation:	Macrolide antibiotics are reported to be mild eye irritants
Acute toxicity dermal	Not determined
Acute toxicity inhalation	Not determined
Sensitization:	May produce allergic response in individual sensitive to erythromycins
Target organ effects:	In clinical use target organ effects include: gastrointestinal tract, thyroid, cardiovascular system

## SECTION XII – ECOLOGICAL INFORMATION

Adopt good working practices so that the product is not released into the environment

## SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Federal, State and local regulations.

## SECTION XIV – TRANSPORT INFORMATION

Not a DOT or TDG (Canada) regulated material

## SECTION XV – REGULATORY INFORMATION

WHMIS Classification of Product	This product has a WHMIS classification of D2B. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by those regulations.
CFIA	Approved for use in Commercial Alcohol Production by The Canadian Food Inspection Agency (CFIA)

## SECTION XVI – OTHER INFORMATION

SDS Date of Preparation: January 2013

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