



SAFETY DATA SHEET

SECTION I - PRODUCT & COMPANY IDENTIFICATION

Product name: ALLPEN SPECIAL
 Product code: 6606
 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 Allpen Special through primary routes of exposure:

Skin contact: May cause irritation on prolonged contact.
 Eye contact: May cause eye irritation upon direct contact. Seek medical attention.
 Inhalation: In some cases, repeated exposure may lead to allergic sensitization based on the exposure level, duration and susceptibility of the individual. Subsequent chronic or acute exposure in sensitized persons may cause a respiratory allergic reaction in minutes or delayed, or a mixture of both. Typical symptoms are respiratory irritation, breathlessness, coughing, chest tightness and difficulty breathing.
 Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. May cause allergic reaction.

SECTION III – DATA ON COMPONENTS

Information on active ingredients as follows:

Name	CAS #	% by Wt	LD ₅₀ & LC ₅₀	OSHA PEL	ACGIH TLV
Penicillin G Potassium	113-98-4	Proprietary	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 advice
 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: Not determined

Delayed effect that can be expected after exposure: Not determined



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SECTION V – FIRE FIGHTING MEASURES

Conditions of flammability:	Under normal use no special requirements.
Extinguishing media:	Water or CO ₂
Flash point:	Not applicable
Flammable limits:	Not applicable.
Auto-ignition temperature:	No data available.
Hazardous combustion products:	None.
Explosion – sensitivity to mechanical impact:	None.
Explosion – sensitivity to static discharge:	None.
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. 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:	Respirator approved for these types of dust and potential airborne concentrations with P2 filter when necessary.
Eye contact:	Safety glasses/goggles recommended
Hand protection:	Rubber or vinyl gloves
Specific engineering controls:	None.
Environmental exposure control	None.

SECTION IX – PHYSICAL & CHEMICAL PROPERTIES

Chemical Family:	Antimicrobial
Physical state:	Powder
Appearance:	Light colored powder.
Odour:	No data available
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.
Freezing point:	No data available.
Melting point:	No data available
pH:	No data available.
Partition coefficient:	No data available.
Viscosity:	No data available
Solubility in water:	Soluble
Explosive properties	Not applicable
Oxidising properties	Not applicable



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SECTION X – STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage
Incompatibility:	Oxidizing agents, heavy metal salts and acids.
Conditions to avoid:	Moisture
Materials to avoid	None
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, nitrogen oxide and sulfur oxide.
Hazardous polymerization:	None.

SECTION XI – TOXICOLOGICAL INFORMATION

Inhalation of dust may cause respiratory allergy in susceptible individuals.

Effects of short-term exposure:	Inhalation of dust may cause respiratory allergy in susceptible individuals.
Effects of long-term exposure:	Unknown
Irritancy:	Unknown.
Sensitization:	Possible allergic sensitization (see Section II).
Carcinogenicity:	Unknown
Reproductive toxicity:	Unknown
Teratogenicity:	Unknown
Mutagenicity:	Unknown
Toxicologically synergistic products:	Unknown

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 controlled 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 SDS contains all the information required by those regulations.
Canadian Ingredient Disclosure List	Not listed on the Canadian Ingredient Disclosure List

SECTION XVI – OTHER INFORMATION

Date of Preparation: October 2011, Reviewed January 2013

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