



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

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E1001424 BAX(R) SYSTEM MEDIA: LISTERIA
Revised 6-JUN-2006

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

BAX(R) System Media: Listeria
Statmedia(TM) Soluble Packets - BAX(R) system media for
Listeria

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont Qualicon
Experimental Station
Building 400
Rt. 141 & Henry Clay Road
Wilmington, DE 19880

PHONE NUMBERS

Product Information : 302-695-5300
Transport Emergency : CHEMTREC 800-424-9300
Medical Emergency : 800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
Protease Peptone		5
Lithium Chloride	7447-41-8	3
Other Ingredients		92

HAZARDS IDENTIFICATION

Potential Health Effects

THIS PRODUCT CAN BE USED SAFELY WHEN USED AS DIRECTED AND WHEN APPLICABLE SAFETY PRECAUTIONS ARE FOLLOWED.

From free bulk powder, exposure to high dust concentrations may cause irritation of the nose, throat, and respiratory tract in humans.

Exposure to the bulk powder may cause slight irritation on prolonged or repeated contact with human skin.

Exposure to the bulk powder may cause slight transient eye irritation in humans.

(HAZARDS IDENTIFICATION - Continued)

Ingestion of a large dose of the bulk powder may cause diarrhea, nausea, and/or vomiting in humans.

Lithium is classified by DuPont as a Known Human Developmental Toxin, based on birth defects observed following oral administration in pregnant women at high therapeutic doses. Based on all of the available information, lithium is not expected to significantly penetrate the skin. Therefore, a low risk for lithium toxicity exists in the workplace provided airborne levels do not exceed a time-weighted average (8 hours) of 1 mg/m3 and lithium compounds are not ingested.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.

SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

FIRE FIGHTING MEASURES

Extinguishing Media

Use media appropriate for surrounding material. Water Spray, Foam, Dry Chemical, CO2.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Follow applicable Federal, State/Provincial and Local laws/regulations.

Spill Clean Up

Shovel or sweep up. Flush spill area with water.

HANDLING AND STORAGE

Handling (Personnel)

Avoid inhalation. Avoid contact with eyes, skin or clothing.

Handling (Physical Aspects)

When packaged in a pre-measured water-soluble packet, which readily dissolves in water, do not allow the product to come into contact with moisture except for when in use. Exposure to moisture or excessive handling of the soluble packets will cause them to break resulting in potential for dust exposure.

Storage

Store at room temperature. Keep well closed and protect from direct sunlight and moisture.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

RESPIRATORY:

Recommended for bulk powder material: Approved/certified disposable particulate dust mask

Latex gloves and safety glasses are minimum protective equipment recommended for any laboratory work with this product.

Exposure Guidelines

Applicable Exposure Limits

Lithium Chloride

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
AEL * (DuPont)	: 1 mg/m ³ , as Li, 8 Hr. TWA

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Form	: Powder in bulk form, or powder packaged in water-soluble film
Color	: (Light)
pH	: 7-7.4

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal conditions.

Conditions to Avoid

Exposure to direct sunlight and moisture.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

BAX(R) System Media: Listeria

Oral LD50: > 2000 mg/kg in rats
Dermal LD50: > 2000 mg/kg in rabbits
Inhalation 4-hour LC50: > 20 mg/L in rats

Lithium Chloride

Lithium Chloride is a severe skin irritant, and a moderate eye irritant in animals.

Repeated ingestion of Lithium Chloride by rats increases urine volume and excretion of sodium and potassium. Microscopic changes in the kidney, thyroid and seminal vesicles have been reported in animal studies.

Adequate tests for carcinogenic activity have not been performed for Lithium Chloride; one study reports an increased incidence of lymphoma. Tests in animals demonstrate no reproductive toxicity; however, one report suggests that the time between litters may be extended in animals. Tests in animals indicate Lithium compounds produce developmental toxicity.

Lithium chloride produces genetic damage in bacterial cell cultures and in animals. It has not been tested for heritable genetic damage.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AQUATIC TOXICITY:
No information is available.

DISPOSAL CONSIDERATIONS

Waste Disposal

Comply with Federal, State and local regulations.

