



## MATERIAL SAFETY DATA SHEET

### EMERGENCY CONTACTS -

AUSTRALIA - Poisons Information Bureau - 13 11 26

USA - 1 800 222 1222

Rev. 2: November 16, 2020.

### 1. IDENTIFICATION OF PRODUCT

This materials safety data sheet applies to the following products:

Phospholipid extract from Soybeans - Haematex (HTX) product #9104  
Synthetic phospholipids HTX#9116 (DOPC), #9117(DOPE), #9118(DOPS) and  
Synthetic phospholipid blends HTX#9113 (sPPL-1), #9114 (sPPL-2), #9115 (sPPL-3)  
alone and when dispersed on lactose powder as in HTX #9113.P.

### 2. COMPOSITION

INGREDIENT NAME	CAS No	CONCENTRATION
Dioleoyl phosphatidylcholine (DOPC) #9116	4235-9-4	0-100%
Dioleoyl phosphatidylserine (DOPS) #9118	70614-14-1	0-100%
Dioleoyl phosphatidylethanolamine (DOPE) #9117	4004-05-1	0-100%
Soybean phospholipid #9104	8002-43-5	0-100%
Lactose	63-42-3	0- 90%

All above listed generally as Non Hazardous, Non Dangerous

### 3. HAZARD IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

EYES: Direct eye contact may cause redness and irritation.

SKIN: Prolonged or repeated contact may cause skin irritation.

INGESTION: Harmful if swallowed.

INHALATION: Mild irritant



#### 4. FIRST AID MEASURES

**EYES:**

In case of eye contact, flush eyes with plenty of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Obtain medical attention if irritation develops.

**SKIN:**

Promptly wash exposed areas thoroughly with soap and water. Obtain medical attention if irritation develops.

**INGESTION:**

Rinse mouth with plenty of water. Obtain medical attention if there is a reaction or contact the local Poison Control Center.

**INHALATION:**

Remove individual to fresh air. Obtain medical attention if breathing becomes difficult.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

FLASH POINT: >200C

LOWER EXPLOSIVE LIMIT (%): Not Applicable

UPPER EXPLOSIVE LIMIT (%): Not Applicable

FIRE AND EXPLOSION HAZARDS: Not Applicable

EXTINGUISHING MEDIA: Use any extinguishing agent that is suitable for the surrounding fire.

FIRE FIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus and protective clothing that is appropriate for fighting a typical fire involving chemical materials.

#### 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment as specified in Section 8.

Clean up spills in a manner that does not disperse dust into the air or create aerosols of prepared solutions. Dry spills should be moistened with water or an EPA approved disinfectant. Contain spill and decontaminate the area. Pick up material and dispose in biohazard/sharps container as appropriate.

#### 7. HANDLING AND STORAGE

**HANDLING AND STORAGE PRECAUTIONS**

Avoid contact with skin and eyes.

Reference the product labeling for handling and storage instructions.

WORK/HYGIENIC PRACTICES: Use good hygienic practices. Wash hands with soap and water after use.

#### 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

ENGINEERING CONTROLS: None normally required.

EYE/FACE PROTECTION: Safety glasses or splash goggles are recommended.

SKIN PROTECTION: Wear protective (latex/non-latex) gloves and laboratory coat as required to prevent skin contact.

RESPIRATORY PROTECTION: None normally required with adequate ventilation.

OTHER/GENERAL PROTECTION: None normally required.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous pastes in bottom of vials or powders (when on lactose).

Color: White.

Odor: Odorless

Density: 0.9-2g/ml

pH: neutral

BASIC PHYSICAL PROPERTIES

VAPOR PRESSURE: Not determined

SPECIFIC GRAVITY: Not determined

SOLUBILITY (H<sub>2</sub>O): Complete at up to 10%w/v.

## 10. STABILITY AND REACTIVITY

STABILITY: Stable at 37C for up to 10 days. Store at below -25C for 2year shelf life.

HAZARDOUS DECOMPOSITION PRODUCTS: Harmful fumes of CO, CO<sub>2</sub> and NO<sub>x</sub> may be formed during thermal decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

## 11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP: no IARC: no OSHA:

Experimental mutagenic and tumorigenic data (NIOSH): no data.

The health effects noted above are based on the extrapolation of data on the pure product ingredients. To the best of our knowledge, no health effects have been identified for the product mixture under normal conditions of use, although the health effects of the product have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

OTHER ENVIRONMENTAL INFORMATION

No ecotoxicological data are available on the products.

Use in accordance with good laboratory practice. Do not waste into the environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information. It is up to the user to classify the waste correctly prior to disposal.

## 14. TRANSPORT INFORMATION

Not regulated.

## 15. REGULATORY INFORMATION

This product is classified and labeled in accordance with Directive 1999/45/EC and following modifications. The health hazard classification has been determined based on composition and hazard data of each ingredient. Physical and health hazard information on the reagent mixture has not been determined. Physical and health hazard information noted is based on

- a) evaluation of data of the pure ingredient and
- b) concentration of each ingredient.



## 16. OTHER INFORMATION

### REFERENCE DOCUMENTATION

Primary references used in the preparation of this document

1. Product Specification.
2. Product Insert.
3. MSDS's supplied by primary sources.

NOTE: The information supplied in this Material Safety Data Sheet represents the data and best information available at the date of preparation. It is provided with the aim of allowing proper and safe use, storage, transport and disposal of the product. It is not to be considered as a warranty or specification of product quality. It is related to the materials specifically indicated and does not apply if these are used in combination with other materials or during processes not specifically indicated in the text of this Material Safety Data

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