

Humco Holding Group, Inc.
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Texarkana, TX 75501
903-334-6200

Item#0395-1501

Lactose

Date Prepared: 04/10/07

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

Product Name: Lactose

Chemical Name: Pharmaceutical Lactose HMS-Brand

Emergency Telephone Numbers:

Humco Holding Group, Inc. 800-662-3435

Chemtec 800-424-9300

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Common Chemical Name: Lactose Hydrous

Synonyms: Pharmaceutical Lactose

CAS No.: 63-42-3

Ingredients Contributing to the Hazard: Lactose Hydrous 99.9%

Impurities: NA

SECTION 3 HAZARDOUS IDENTIFICATION

Explosion Hazard: Ks11 (Vol 3673)

HAZARD RATING SYSTEMS: This information is for people trained in: National Fire Protection Association (NFPA 704) Identification of the Fire Hazards of Materials

	NFPA 704	KEY	
Health	0		4 = Severe
Flammability	0		3 = Serious
Reactivity	0		2 = Moderate
			1 = Slight

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Normally removed by use of water.

SKIN CONTACT: Possible irritation in case of frequent rubbing.

INHALATION: NA

INGESTION: NA

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Water by using spray guns, CO₂, or foam.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: NA

Environmental Precautions: NA

Methods of cleaning up: Remove dust - sugar by aspirator or by means of brooms.

SECTION 7 HANDLING & STORAGE

Precautions: Avoid open fire because of possible dust explosion.

Storage: Keep dry & stow away from boilers.

Storage Conditions: 5 – 25°C, 30 - 75% Humidity

Incompatible Products: Incompatible products are labeled

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: NA

Personal Protection: NA

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Appearance, Taste, and Odor: White powder that is odorless and has a faintly sweet taste.

Molecular Weight: 360.34

pH: 4.0 - 6.5

Melting Point: 202°C

Ignition Temperature: 420°C

Explosion Properties: 60 g/m³ (Flammable Limit)

Density: 1.56 g/cm³

Solubility: 20 gram in 100 gram water (20°C)

SECTION 10 STABILITY & REACTIVITY

Conditions to Avoid: Open fire.

Materials to Avoid: Oxidizing agents.

Hazardous Decomposition Products: NA

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity: NA

Local Effects: NA

General: Lactose is an usual ingredient for pharmaceutical products and food. It meets the requirements of pharmaceutical and food regulations in most countries.

SECTION 12 ECOLOGICAL INFORMATION

Chemical Oxygen Demand (COD): 1025 mg oxygen/gram Lactose
Lactose

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Residues: NA

Contaminated Packaging: NA

SECTION 14 TRANSPORT INFORMATION

International Regulations: UN Classification: UN 17.02