

Humco Holding Group, Inc.
7400 Alumax Drive
Texarkana, TX 75501
903-334-6200

Item# 0395-0725

Dextrose

DATE ISSUED: 04/10/07

SECTION I PRODUCT IDENTIFICATION

Product Name: Dextrose

Chemical Name & Synonyms: Dextrose; Dextrose Monohydrate; D-Glucose

Chemical Family: Carbohydrate

Formula: C₆H₁₂O₆·H₂O

CAS #: 50-99-7

SECTION II HAZARDOUS INGREDIENTS

Paints, Preservatives & Solvents	%	TLV	Alloys & Metallic Coatings	%	TLV
Pigments		NA	Base Metal		NA
Catalyst		NA	Alloys		NA
Vehicle		NA	Metallic Coatings		NA
Solvents		NA	Filler Metal plus Coating or Core Flux		NA
Additives		NA	Other		NA
Others		NA			
Hazardous Mixtures of Other Liquids, Solids, or Gases				%	TLV
					NA

SECTION III PHYSICAL DATA

Solubility in Water: Approx. 1 g/ml **Vapor Density (Air=1):** NA

Melting Point (°F): approx. 83°C (181°F) **Vapor Pressure (mmHg):** NA

Evaporation Rate: NA **Loose Bulk Density:** approx. 32 lbs./ft³

Appearance & Odor: White powder. No odor. Sweet taste.

Percent, Volatile by Volume: NA

Dextrose

SECTION III A

DEGREE OF HAZARD

Degree of Hazard

4 - Extreme	Flammability	0
3 - High	Health	0
2 - Moderate	Reactivity	0
1 - Slight	Special Hazard	0
0 - Insignificant		

SECTION IV

FIRE & EXPLOSION HAZARD

Flash Point: NA

Flammable Limits: Upper: NA Lower: NA

Extinguishing Media: Use extinguishing media as appropriate for surrounding fire; i.e., water, CO₂, dry chemical – all per following note.

Special Firefighting Procedures: When extinguishing a fire involving powders, avoid creating a dust cloud that may pose an explosion hazard.

Unusual Fire & Explosion Hazard: As with all powdered material that can burn, avoid suspensions in air that may pose an explosion hazard if ignited.

SECTION V

HEALTH HAZARD DATA

Threshold Limit Value: General ACGIH TLV-TWA for nuisance dust is 10 mg/m³.

Effects of Overexposure

Eyes: Irritation and impaired vision due to dust.

Inhalation: Effects anticipated to be that of a nuisance dust.

Ingestion: No significant effects anticipated.

Skin Contact: No significant effects anticipated.

Emergency First Aid Procedures

Skin: Wash with water.

Eyes: Flush with water.

Inhalation: Remove to fresh air. If respiratory symptoms develop, consult medical personnel.

Ingestion: If gastrointestinal irritation develops consult medical personnel.

SECTION VI

HEALTH HAZARD DATA

Stability: Stable

Conditions to Avoid: Avoid generation of fine dust to minimize dust explosion hazard.

Incompatibility (Materials to Avoid): None

Hazardous Decomposition Products: Combustion productions (Carbon dioxide, Carbon monoxide)

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None

SECTION VII

SPILL & LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Sweep up area. Traces of material may be removed by blushing with water to a sewer connected to an appropriate treatment facility.

Waste Disposal Method: Dextrose is biodegradable. Dispose of in accordance with all local, state and federal environmental regulations.

SECTION VIII

SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH/MSA approved dust respirator.

Ventilation: Local exhaust: as needed to minimize exposure. (Note: ensure that all ventilating/dust collection equipment is designed so as to prevent ignition of dust).

Protective Gloves: Impermeable gloves.

Eye Protection: Safety glasses with side shields. Chemical goggles if dust is present.

Other Protective Equipment: Not normally required.

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing: Store in tightly closed containers in a cool, dry place away from oxidizing agents.

Other Precautions: Handle with caution as appropriate for powdered materials.