Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Dextrose USP Anhydrous
Commercial Name Not available.
Product Use Not available
Restrictions On Use Not available

Product Code 30-1272

Company
PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200 Not classified

Signal Word NON-HAZARDOUS

Hazard Statement(s) Not available

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available.
Response Not available
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Glucose. Water
% By Weight Glucose:91.5% Water:8.5%
CAS# 50-99-7
Molecular Weight 180.16 g/mole
Chemical Formula C6H12O6
Synonym(s) Dextrose A, Glucose, Dextrose Monohydrate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Glucose	50-99-7	91.5%		Not applicable.
Water	7732-18-5	8.5%		

Section 4: First-Aid Measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Skin Contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Symptoms/Effects	
Acute	Not available
Delayed	Not available

Immediate Medical Attention
Provide general supportive measures and treat symptomatically. General information: Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media
Water. Foam. Dry chemical or CO2. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable Extinguishing Media
None known.

Products of Combustion
Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

Firefighters Special Equipment and Precautions
Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental Release Measures

Keep unnecessary personnel away. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS. Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Handling: As a general rule, when handling USP materials, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Combustible dust clouds may be created where operations produce fine material (dust). Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential. Storage: Store in tight container. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Occupational exposure limits: No exposure limits noted for ingredient(s). Biological limit values: No biological exposure limits noted for the ingredient(s).
Engineering Controls	For laboratory operations, use good technique and limit open handling. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred.

Personal Protection	Eye/face protection: Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available. Skin/hand protection: Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Other: Wear lab coat. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors. Respiratory protection: Respirators are generally not required for laboratory operations. Choose respiratory protection appropriate to the task and the level of existing engineering controls. Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

Section 9: Physical and Chemical Properties

Appearance	Colorless White Crystalline powder. Granular
Odor	Odorless.
Odor Threshold	No information available

Melting Point	294.8 °F (146 °C)	**pH**	No information available
Freezing Point	Not available.	**Vapor Pressure**	< 0.0000001 kPa (77 °F (25 °C))
Boiling Point/Range	Decomposes.	**Vapor Density**	6.3
Decomposition temperature	Not available.	**Viscosity**	Not available.
Partition Coefficient: n-octanol/water	-3	**Evaporation Rate**	Not available.
Flash Point	Not available.	**Autoignition temperature**	Not available.
Flammability	Not available.	**Flammability or Explosive Limits:**	
		Lower	Not available.
		Upper	Not available.

Solubility(ies)	Freely soluble in water. Acetone: Slightly soluble. Hot methanol: Soluble. Hot pyridine: Soluble.
Other	Not available.

Section 10: Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Stable under normal conditions.
Hazardous Polymerization	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Contact with incompatible materials. Minimize dust generation and accumulation.
Incompatible Materials	Oxidizing agents. Potassium nitrate. Sodium peroxide.
Hazardous Decomposition Products	Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

Section 11: Toxicological Information

RTECS LZ6600000

Acute Toxicity
LD50 Rat 25800 mg/kg

Skin Corrosion/Irritation
Knowledge about health hazard is incomplete.

Serious Eye Damage/Irritation
Knowledge about health hazard is incomplete.

Respiratory or Skin Sensitization
Knowledge about health hazard is incomplete.

Germ Cell Mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Knowledge about carcinogenicity is incomplete

Reproductive Toxicity
Knowledge about health hazard is incomplete.

Routes of Entry
Inhalation. Eye contact. Skin Contact.

Symptoms Related to Exposure
Knowledge about health hazard is incomplete.

Potential Health Effects
Knowledge about health hazard is incomplete.

Target Organ(s) Knowledge about health hazard is incomplete.

Section 12: Ecological Information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistance and Degradability
No data is available on the degradability of this substance.

Bioaccumulative Potential
Octanol/water partition coefficient log Kow -3

Mobility in Soil
Not available

Other Adverse Effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal Considerations

Waste Disposal
Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal of Container
Empty containers should be taken to an approved waste handling site for recycling or disposal Since emptied containers may retain product residue, follow label warnings even after container is emptied

Other Considerations
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner

Section 14: Transport Information

DOT Classification
DOT: Not regulated as dangerous goods.

Section 15: Regulatory Information

Regulations
his product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Other
Not available.

Section 16: Other Information

The infa i aflon provided on this (M)S8 Is correct to the best of our knowledge, Information and belief at the date of its disposal amid The Information given b release and Is n to be ?r a warranty or quality ? The f doorm relates specific mateMal designated and may not be valid for such material used in combination with any other material or in any process, unless specNhed In the text