

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION

1: IDENTIFICATION

Effective Date: 9/17/1996
Product Name: **GLUCOSE DEHYDROGENASE**
Molecular Formula: n/a
Synonyms: GLD; Glucose 1-dehydrogenase; mexose phosphate dehydrogenase; β -D-Glucose: NAD (P)1-oxidoreductase
CAS No.: 9028-53-9

SECTION

2: HAZARDOUS INGREDIENTS:

Acute effects of overexposure: ingestion - diarrhea; skin - will not be absorbed; inhalation - coughing; eye contact - congestion

SECTION

3: PHYSICAL DATA

Odor:	no odor
Appearance:	white amorphous powder
% enzyme:	approx. 40%
Boiling point:	n/a
Solubility in water:	approx. 10%
Specific gravity (water = 1)	n/a
Vapor density:	n/a
Vapor pressure:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	n/a
Flammable limit:	n/a
Flammability:	n/a
Extinguishing media:	water, CO ₂ , chemical foam
Fire fighting procedures:	will not be needed
Unusual fire and explosions hazards:	not hazardous

SECTION 5: REACTIVITY DATA

Stable X Unstable _____

Decomposition byproducts: not hazardous
Incompatibilities/Condition to Avoid: not known
Hazardous Polymerization: will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity: n/a
TLV: n/a
Source: material is purified from a microorganism

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Sweep up and place in a bag of ice. Avoid raising dust. Ventilate area and wash spill site after pickup is complete.
Disposal: Mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 8: FIRST AID PROCEDURES

Eye Contact: wash with water
Skin Contact: wash with water
Inhalation: remove to fresh air
Ingestion: drink water to dilute

To physician - Main ingredient is an enzyme (protein) and does not show any hazardous effect.

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SECTION 9: HANDLING AND STORAGE INFORMATION:

Avoid storage at high temperatures. Product should be handled only by qualified professional familiar with the properties and potential dangers of diagnostic enzymes.

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation:	work in area with mechanical exhaust
Skin Protection:	rubber or latex gloves
Eye Protection:	wear safety glasses or goggles
Respiratory Protection:	dust mask
Other:	n/a

SECTION 11: TRANSPORT INFORMATION

DOT Classification: not regulated