



MATERIAL SAFETY DATA SHEET

Product Number:
043163

DIONEX Corporation
1228 Titan Way
P.O. Box 3603
Sunnyvale, California
94088-3603

Product Description:
MonoStandard™ Glucose

Emergency Phone:
(408) 737-0700 8-5 M-F
1-800-424-9300 After Hours
Information Phone: (408) 737-0700
Date Prepared: October 1, 1990
Prepared By:

Max Ebenhahn
(Max Ebenhahn)

The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (Section II)

HAZARDOUS COMPONENTS	AMOUNT (nmol)	CAS NO.
D-Glucose (α form)	150	492-62-6

PHYSICAL/CHEMICAL CHARACTERISTICS (Section III)

COMPONENT	mol wt	bp (°C)	mp (°C)
D-Glucose (α form)	180.16	N/A	146
SOLUBILITY IN WATER: 1.0 g dissolves in 1 mL water			
APPEARANCE AND ODOR : White powder with a sweet odor			

FIRE AND EXPLOSION HAZARD DATA (Section IV)

FLASH POINT (METHOD USED): N/A (Note that the final weight of the MonoStandard Glucose is 0.03 mg)
 FLAMMABLE LIMITS: LEL: Undetermined UEL: Undetermined
 EXTINGUISHING MEDIA: Water, carbon dioxide
 SPECIAL FIRE FIGHTING PROCEDURES : As a general rule, fire fighters subject to products of combustion should wear full protective clothing including self-contained breathing apparatus.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None

REACTIVITY DATA (Section V)

STABILITY UNSTABLE: STABLE: X CONDITIONS TO AVOID: None known
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing acids such as concentrated sulfuric acid.
 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: If the MonoStandard Glucose is subjected to extreme temperatures, it can decompose and emit toxic fumes of oxides of carbon.
 HAZARDOUS POLYMERIZATION: MAY OCCUR: WILL NOT OCCUR: X CONDITIONS TO AVOID: None known

HEALTH HAZARD DATA (Section VI)

HAZARD CLASS: GENERAL CHEMICAL
 ROUTES OF ENTRY: INHALATION?: X SKIN?: INGESTION?: X
 HEALTH HAZARDS (ACUTE AND CHRONIC): None

TOXICITY DATA (Ref #1)

D-GLUCOSE (α form)	orl-rat LD50:	25,800 mg/Kg
	ipr-mus LDLo:	18,000 mg/Kg
	ivn-mus LDLo:	9,000 mg/Kg
	orl-dog LDLo:	8,000 mg/Kg
	orl-rbt LDLo:	20,000 mg/Kg
	ivn-rbt LDLo:	12,000 mg/Kg

Reference #1 DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS
 By Irving Sax
 6th Edition
 Van Nostrand Reinhold Company, Inc.

CARCINOGENICITY: No Data Found NTP?: N/A

IARC MONOGRAPHS?: N/A

OSHA REGULATED?: N/A

REPRODUCTIVE EFFECTS: No Data Found

EPA TSCA INVENTORY: D-glucose 1980

THRESHOLD LIMIT VALUE (TLV): No Data Found

SYMPTOMS AND SIGNS OF EXPOSURE: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

EMERGENCY AND FIRST AID PROCEDURES: In case of contact, wash skin with copious amounts of water. Flush eyes with copious amounts of water for at least 15 minutes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Submit to medical examination.

PRECAUTIONS FOR SAFE HANDLING AND USE (Section VII)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear appropriate protective clothing and eye protection and store in a suitable waste container. Wash contaminated with soap and large amounts of water.

Mop up area

WASTE DISPOSAL METHOD:

Dispose of according to local, state and federal laws. After dilution with excess water, no special precautions are necessary.

cautions

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Work in areas with adequate ventilation.

CONTROL MEASURES (Section VIII)

RESPIRATORY PROTECTION (SPECIFY TYPE): No special precautions are necessary.

VENTILATION

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): No special considerations are necessary.

SPECIAL: None

OTHER: None

PROTECTIVE GLOVES: Disposable laboratory gloves are adequate.

EYE PROTECTION: Glasses or goggles should be worn as a general laboratory requirement.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Labcoats

WORK/HYGIENIC PRACTISES: Wipe up any spills and wash hands after working in the laboratory.