



J. T. Baker Chemical Co.

222 Red School Lane Phillipsburg, N.J. 08865
24-Hour Emergency Telephone -- (201) 859-2151

Chemtrec # (800) 424-9300
National Response Center # (800) 424-8802

MATERIAL SAFETY DATA SHEET

D0835 -02

Dextrose, Anhydrous

Page: 1

Effective: 05/05/86

Issued: 07/13/87

SECTION I - PRODUCT IDENTIFICATION

Product Name: Dextrose, Anhydrous
Formula: $\text{HOCH}_2\text{CH}(\text{CHOH})_4\text{O}$
Formula Wt: 180.16
CAS No.: 50-99-7
NIOSH/RTECS No.: LZ6600000
Common Synonyms: D-Glucose, Anhydrous; Corn Sugar; Grape Sugar
Product Codes: 1916, 1919, 4893

PRECAUTIONARY LABELLING

BAKER SAF-T-DATATM System

HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
0	1	1	0
NONE	SLIGHT	SLIGHT	NONE

Laboratory Protective Equipment



Precautionary Label Statements

During use avoid contact with eyes, skin, clothing. Wash thoroughly after handling. When not in use keep in tightly closed container.

SECTION II - HAZARDOUS COMPONENTS

Component	%	CAS No.
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Not Applicable

SECTION III - PHYSICAL DATA

Boiling Point:	N/A	Vapor Pressure(mmHg):	N/A
Melting Point:	146°C (295°F)	Vapor Density(air=1):	N/A
Specific Gravity:	1.54 (H ₂ O=1)	Evaporation Rate:	N/A (Butyl Acetate=1)

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SECTION III - PHYSICAL DATA (Continued)

Solubility(H₂O): Appreciable (more than 10 %) % Volatiles by Volume: 0

Appearance & Odor: White, odorless powder.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

Flammable Limits: Upper - N/A % Lower - N/A %

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Toxic Gases Produced

carbon monoxide, carbon dioxide

SECTION V - HEALTH HAZARD DATA

Toxicity: LD₅₀ (oral-rat)(g/kg) - 25.8
LD₅₀ (iv-mouse) (mg/kg) - 9000

Carcinogenicity: NTP: No IARC: No Z List: No OSHA reg: No

Effects of Overexposure

No effects of overexposure were documented.

Medical Conditions Generally Aggravated By Exposure

None Identified

Routes Of Entry

None Indicated

Emergency and First Aid Procedures

INGESTION: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.
INHALATION: If a person breathes in large amounts, move the exposed person to fresh air. Get medical attention.
EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
SKIN CONTACT: Immediately wash with plenty of soap and water for at least 15 minutes.

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SECTION VI - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Decomposition Products: carbon monoxide, carbon dioxide

SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the event of a spill or discharge

Wear suitable protective clothing. Carefully sweep up and remove.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation:

Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

Respiratory Protection:

None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.

Eye/Skin Protection:

Safety glasses with sideshields, proper gloves are recommended.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATATM Storage Color Code: Orange (general storage)

Special Precautions

Keep container tightly closed. Suitable for any general chemical storage area.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D.O.T.)

Proper Shipping Name

Chemicals, n.o.s. (Non-regulated)

INTERNATIONAL (I.M.O.)

Proper Shipping Name

Chemicals, n.o.s. (Non-regulated)

N/A = Not Applicable or Not Available

The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for

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the adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available. J. T. Baker makes no warranty or representation about the accuracy or completeness nor fitness for purpose of the information contained herein.

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