ATTN: SAFETY DIRECTOR
UNIV OF WISCONSIN - WHITewater
PURCHASING OFFICE
800 W MAIN ST
WHITewater  WI  53190-1705

SIGMA CHEMICAL COMPANY
POST OFFICE BOX 14508
SAINT LOUIS, MISSOURI 63178, USA

EMERGENCY PHONE 1-314-771-5765
DATE 09/29/99
CUST#: 0-495-04629
PO#: CC/092999/MORSE

MATERIAL SAFETY DATA SHEET

SECTION 1. -- -- -- -- -- -- CHEMICAL IDENTIFICATION-- -- -- -- -- --

CATALOG #: S1876
NAME: D-SORBITOL

SECTION 2. -- -- -- -- -- COMPOSITION/INFORMATION ON INGREDIENTS -- -- -- --

CAS #: 50-70-4
MF: C6H14O6
EC NO: 200-061-5

SYNONYMS
Cholaxine * Diakarmon * D-Glucitol * Gultitol * L-Gulitol * Karion *
Nivitint * Sionit * Sionon * Sorbicolan * Sorbit * Sorbite * Sorbitol *
D-Sorbitol * Sorbo * Sorbol * Sorbostyl * Sorvilande *

SECTION 3. -- -- -- -- -- HAZARDS IDENTIFICATION -- -- -- --
DATA NOT AVAILABLE

SECTION 4. -- -- -- -- -- FIRST-AID MEASURES-- -- -- -- --

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,
CALL A PHYSICIAN.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING
THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. -- -- -- -- -- FIRE FIGHTING MEASURES -- -- -- -- --

EXTINGUISHING MEDIA
WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. -- -- -- -- -- ACCIDENTAL RELEASE MEASURES-- -- -- -- --

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

CONTINUED ON NEXT PAGE

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We are Committed to the Success of our Customers through Science, Technology and Service.

SIGMA
Fluka
Aldrich
SUPELCO
SIGMA
Diagnósticos
MATERIAL SAFETY DATA SHEET  PAGE 2

CATALOG #: S1876
NAME: D-SORBITOL

AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. HANDLING AND STORAGE

REFER TO SECTION 8.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID INHALATION.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
NIOSH/MSHA-APPROVED RESPIRATOR.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.
WASH THOROUGHLY AFTER HANDLING.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES
MELTING POINT: 98 - 100°C
VAPOR PRESSURE: < 0.1 MMHG
SOLUBILITY:
WATER 26130
VAPOR DENSITY: < 1 G/L
PH: 5.0 - 7.0

SECTION 10. STABILITY AND REACTIVITY

STABILITY
STABLE.

INCOMPATIBILITIES
PROTECT FROM MOISTURE.
STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS
MAY CAUSE SKIN IRRITATION.
MAY CAUSE EYE IRRITATION.
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER CONTINUED ON NEXT PAGE

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CATALOG #: S1876
NAME: D-SORBITOL

RESPIRATORY TRACT:
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: LZ4290000
GLUCITOL

TOXICITY DATA

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FAONAU 53A, 498, 1974
NIIRDN 607, 1990
FAONAU 53A, 498, 1974
YKYUA6 32, 1367, 1981
PSBBAA 35, 98, 1936
NIIRDN 607, 1990
YKYUA6 32, 1367, 1981

TARGET ORGAN DATA
GASTROINTESTINAL (HYPERMOTILITY, DIARRHEA)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION
DATA NOT YET AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. REGULATORY INFORMATION
REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK
NOHS 1974: HZD 80530; NIS 86; TNF 16621; NOS 80; TNE 144563
NOES 1983: HZD 80530; NIS 126; TNF 16220; NOS 121; TNE 669284; TFE
461984
EPA GENETOX PROGRAM 1988, NEGATIVE: D MELANOGASTER-WHOLE SEX CHROM.
LOSS
EPA GENETOX PROGRAM 1988, NEGATIVE: RODENT DOMINANT LETHAL
EPA GENETOX PROGRAM 1988, INCONCLUSIVE: D MELANOGASTER SEX-LINKED
LETAL
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

SECTION 16. OTHER INFORMATION CONTINUED ON NEXT PAGE

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NAME: D-SORBITOL

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