MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT #: 11256-9  
CAS #: 7635-53-7  
MF: C12H22O11

NAME: D-MALTOSE MONOHYDRATE, 90%

SYNONYMS:
- CEKROMTOSSE * 4-(ALPHA-D-GLUCOPYRANOISOD)-ALPHA-GLUCOPYRANOSE * D-
- GLUCOSE * 4-D-ALPHA-D-GLUCOPYRANOSYL * 4-(ALPHA-D-GLUCOSIDO)-D-
- GLUCOSE * MALTOBIOSE * D-MALTOSE * MALTO SUGAR * ALPHA-MALT SUGAR *

TOXICITY HAZARDS

RTTECS DATA SUPPLIED IS FOR A CLOSELY RELATED COMPOUND.

RTTECS NO: C05250000

MALTOSE

TOXICITY DATA
- ORL-RAT LD50: 34800 MG/KG
- IPR-RAT LD50: 33600 MG/KG
- IVN-RAT LD50: 15300 MG/KG
- SCU-MUS LD50: 38600 MG/KG
- IVN-MUS LD50: 12600 MG/KG
- IVN-RBT LD50: 25200 MG/KG

YACHOS 7,53,79
OYYAAS 6,251,72
OYYAAS 6,251,72
YACHOS 7,53,79
YACHOS 7,53,79
NIIRON 6,805,82

REVIEWS, STANDARDS, AND REGULATIONS
- MOHS 1974: HZD 83248; NTS 3; TNE 179; NOS 5; TNE 1441
- MOHS 1983: HZD 83248; NTS 7; TNE 716; NOS 10; TNE 11967; TFE 8150
- EPA TSCA CHEMICAL INVENTORY: JUNE 1990
- TARGET ORGAN DATA
  - EFFECTS ON NEWBORN (BIOCHEMICAL AND METABOLIC)
  - EFFECTS ON NEWBORN (PHYSICAL)
  - TUMORIGENIC (EQUIVOCAL TUMORIGENIC AGENT BY RTTECS CRITERIA)
  - TUMORIGENIC (TUMORS AT SITE OF APPLICATION)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTTECS)
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS
- TOXICOLOGICAL DATA INDICATE A LOW ORDER OF TOXICITY. GENERAL GOOD-
HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

FIRST AID
- IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
- CALL A PHYSICIAN.
- IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND
SHOES. CALL A PHYSICIAN.

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MATERIAL SAFETY DATA SHEET

CUST#: 523216
PO#: LETTER 1/31/91

PRODUCT #: 11256-9
CAS #: 6335-53-7
MF: C12H22O11
NAME: D-MALTOSE MONOHYDRATE, 90%

HEALTH HAZARD DATA

IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN.
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.

PHYSICAL DATA

MELTING PT: 119 C TO 121 C (DEC)
APPEARANCE AND ODOR: WHITE POWDER

FIRE AND EXPLOSION HAZARD DATA

EXTinguISHING MEDIA
WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

REACTIVITY DATA

STABILITY
STABLE.
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
WEAR PROTECTIVE EQUIPMENT.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
WASTE DISPOSAL METHOD
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET

PRODUCT #: 11256-9
CAS #: 6363-53-7
MF: C12H22O11

NAME: D-MALTOSE MONOHYDRATE, 90%

-------------- SPILL OR LEAK PROCEDURES --------------

CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT
GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
MECHANICAL EXHAUST REQUIRED.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE
ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD
LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE
ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL
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