Material Safety Data Sheet

Date Printed: 19/APR/2005 Date Updated: 18/MAR/2004 Version 1.1 According to 91/155/EEC

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1 - Product and Company Information
Product Name
                              MYO-INOSITOL
Product Number
                             15125
                             Sigma-Aldrich Pty, Ltd
Unit 2, 14 Anella Avenue
Castle Hill NSW 1765
Company
                              Australia
                             +61 2 9841 0555
Technical Phone #
                             +61 2 9841 0500
Fax
Emergency Phone #
                              +61 2 9841 0566
2 - Composition/Information on Ingredients
Product Name
                                    CAS #
                                                EC no
                                                           Annex I
                                                           Index Number
                                    87-89-8
                                                201-781-2 None
INOSITOL
Formula
                  C6H12O6
Molecular Weight 180.16 AMU
                  Dambose * Inosital * Inositene * Inositina *
Synonyms
                  Inositol * Inositol, myo- (8CI) * i-Inositol *
                  iso-Inositol * meso-Inositol * Meat sugar *
                  Mesoinosit * Mesoinosite * Mesol * Mesovit * MI
                  * Myoinosite * Myoinositol * Nucite *
                  Phaseomannite * Phaseomannitol * Scyllite
3 - Hazards Identification
SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
  Not hazardous according to Directive 67/548/EC.
4 - First Aid Measures
AFTER INHALATION
   If inhaled, remove to fresh air. If breathing becomes difficult,
   call a physician.
AFTER SKIN CONTACT
   In case of contact, immediately wash skin with soap and copious
   amounts of water.
AFTER EYE CONTACT
   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.
AFTER INGESTION
   If swallowed, wash out mouth with water provided person is
   conscious. Call a physician.
5 - Fire Fighting Measures
EXTINGUISHING MEDIA
   Suitable: Water spray. Carbon dioxide, dry chemical powder, or
   appropriate foam.
SPECIAL RISKS
   Specific Hazard(s): Emits toxic fumes under fire conditions.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS
   Wear self-contained breathing apparatus and protective clothing
   to prevent contact with skin and eyes.
6 - Accidental Release Measures
PROCEDURE(S) OF PERSONAL PRECAUTION(S)
   Exercise appropriate precautions to minimize direct contact with
   skin or eyes and prevent inhalation of dust.
METHODS FOR CLEANING UP
   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.
7 - Handling and Storage
HANDLING
   Directions for Safe Handling: Avoid inhalation. Avoid contact
   with eyes, skin, and clothing. Avoid prolonged or repeated
   exposure.
   Conditions of Storage: Keep tightly closed.
8 - Exposure Controls / Personal Protection
ENGINEERING CONTROLS
   Safety shower and eye bath. Mechanical exhaust required.
GENERAL HYGIENE MEASURES
   Wash thoroughly after handling.
PERSONAL PROTECTIVE EQUIPMENT
   Respiratory Protection: Wear dust mask.
   Hand Protection: Protective gloves.
   Eye Protection: Chemical safety goggles.
9 - Physical and Chemical Properties
                        Physical State: Solid
Appearance
                        Color: White
                        Form: Powder Crystals
Property
                        Value
                                             At Temperature or Pressure
                        5 - 7
pн
BP/BP Range
                       N/A
                        224 °C
MP/MP Range
Flash Point
                        N/A
Flammability
                        N/A
Autoignition Temp
                        N/A
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Oxidizing Properties N/A
Explosive Properties
Explosion Limits
                        N/A
Vapor Pressure
SG/Density
                        N/A
Partition Coefficient N/A
                       N/A
Viscosity
Vapor Density
                       6.2 g/l
Saturated Vapor Conc. N/A
Evaporation Rate N/A
Evaporation Rate
Bulk Density
                       N/A
                      N/A
Decomposition Temp.
Solvent Content
                       N/A
                       N/A
Water Content
Surface Tension
                       N/A
                        N/A
Conductivity
Miscellaneous Data
                         Solubility in Water: 0.5 M in H2O, 20°C
Solubility
                         complete, colorless
10 - Stability and Reactivity
STABILITY
   Stable: Stable.
   Materials to Avoid: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS
   Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.
HAZARDOUS POLYMERIZATION
   Hazardous Polymerization: Will not occur
11 - Toxicological Information
RTECS NUMBER: NM7520800
ACUTE TOXICITY
   LD50
   Intraperitoneal
   >3 GM/KG
   LD50
   Intravenous
   Rat
   >750 MG/KG
   LD50
   Oral
   Mouse
   10000 mg/kg
SIGNS AND SYMPTOMS OF EXPOSURE
   To the best of our knowledge, the chemical, physical, and
   toxicological properties have not been thoroughly investigated.
ROUTE OF EXPOSURE
   Skin Contact: May cause skin irritation.
   Skin Absorption: May be harmful if absorbed through the skin.
   Eye Contact: May cause eye irritation.
Inhalation: May be harmful if inhaled. Material may be
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   irritating to mucous membranes and upper respiratory tract.
   Ingestion: May be harmful if swallowed.
12 - Ecological Information
No data available.
13 - Disposal Considerations
SUBSTANCE DISPOSAL
   Contact a licensed professional waste disposal service to dispose
   of this material. Dissolve or mix the material with a combustible
   solvent and burn in a chemical incinerator equipped with an
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Non-hazardous for air transport.

15 - Regulatory Information
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Do not breathe dust. Avoid contact with skin and eyes.

The above information is believed to be correct but does not

guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or

CLASSIFICATION AND LABBLING ACCORDING TO BU DIRECTIVES

Not hazardous according to Directive 67/548/EC.

afterburner and scrubber. Observe all federal, state, and local

purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any

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16 - Other Information

environmental regulations.

Non-hazardous for road transport.

Non-hazardous for sea transport.

14 - Transport Information

RID/ADR

WARRANTY

IMDG

from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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DISCLAIMER

For R&D use only. Not for drug, household or other uses.