Material Safety Data Sheet

Section 1 - Product and Company Information

Product Name: B-Cycloextrin, minimum 98%
Product Number: C4767
Brand: Sigma Chemical
Company: Sigma-Aldrich
Street Address: 3050 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 800-325-5832
Fax: 800-325-5032
Emergency Phone: 314-776-6655

Section 2 - Composition/Information on Ingredient

Substance Name: B-CYCLEDEXTRIN
CAS #: 7685-38-9
SARA 313: No
EC No: 231-493-2
Annex I: Index Number

Synonyms: beta-Cyclodextrin, Cycloheptaamylose, beta-Cycloheptaamylose, Cycloheptaglucosan, Cycloheptaglucosan, Cyclodextrin, Schindler-beta-cyclodextrin

Section 3 - Hazards Identification

NFPA Rating:
Health: 0
Flammability: 0
Reactivity: 0
For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
Dermal Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.
Eye Exposure: 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

Autoignition Temp: N/A
Extinguishing Media: Suitable
Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting Equipment:
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s):
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precautions:
Exercises appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation or 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.

Section 7 - Handling and Storage

Handling:
User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage:
Suitable: Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls:
Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:
Respiratory:
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Hand:
Protective gloves.

Eye:
Chemical safety goggles.

Section 9 - Physical/Chemical Properties

Appearance:
Color: White
Form: Powder

Section 10 - Other Information

Notes:

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Sigma Chemical - C4767
Sigma-Aldrich Corporation  www.sigma-aldrich.com
Ingestion
May be harmful if swallowed.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: GU2290000

Toxicity Data

Oral - Rat: (18000 mg/kg (LD50))
Intraperitoneal - Rat: 356 MG/KG (LD50)
Subcutaneous - Rat: 3700 MG/KG (LD50)
Intravenous - Rat: 1008 MG/KG (LD50)
Oral - Mouse: >12500 mg/kg (LD50)
Intraperitoneal Mouse: 330 MG/KG (LD50)
Subcutaneous - Mouse: 412 MG/KG (LD50)

Chronic Exposure - Reproductive Hazard

Species: Rat
Route of Application: Oral
Exposure Time: (MULTIGENERATION)
Rating: 155 GM/KG
Result: Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants), Effects on Newborn: Growth statistics (e.g., reduced weight gain).

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material.
Dispose of 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

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

United States Regulatory Information
SARA Listed: No

TSCA Inventory Item: Yes Yes

Canada Regulatory Information
WHMIS Classification
This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: Yes
NDCL: No

Sigma Chemical - C4767
Sigma-Aldrich Corporation
www.sigma-aldrich.com
Section 16 - Other Information

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

Warranty
The above information is believed to be correct but does not 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 guarantees of the properties of the product. Sigma-Aldrich inc. 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 terms and conditions of sale. Copyright 2007 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.