



Material Safety Data Sheet

Issue Date: 3rd August, 2009

Approved by Megazyme International Ireland Ltd.

Product Name: tetra-*N*-Acetyl-Chitotetraose**COMPANY DETAILS:**

Company Name	Megazyme International Ireland Ltd.
Address	Bray Business Park, Southern Cross Road, Bray, Co. Wicklow, Ireland.
Emergency Telephone	+353-1-2861220
Tel/Fax	Tel: +353-1-2861220/Fax: +353-1-2861264
Other Information	The information and recommendations contained herein are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation in respect of safety in use, suitability efficiency or otherwise, including freedom from patent infringements. Users should make their own tests for their particular purpose. We cannot accept any liability for any loss, damage or infringement arising from the use of the information or recommendations contained herein.

IDENTIFICATION:

Product Code	O-CHI4
Product Name	tetra-<i>N</i>-Acetyl-Chitotetraose
Proper Shipping Name	As above
Other Names	None Listed
UN Number	None Allocated
DG Class	None Allocated
Packing Group	None Allocated
Hazchem Code	None Allocated
Poisons Schedule	Not Scheduled

PHYSICAL DATA:

Appearance	Powder
Specific Gravity	Not applicable
Solubility in Water	Readily soluble

OTHER PROPERTIES:

pH Value	6.0
Odour	None
Form	Powder
Stability	Stable in a freezer for more than 5 years.

INGREDIENTS:

Ingredients	Name	CAS	Proportion
tetra- <i>N</i> -Acetyl-Chitotetraose		2706-65-2	100%



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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Acute - Swallowed	Nil
Acute - Eye	May irritate eye.
Acute - Skin	Nil
Acute - Inhaled	Nil
Chronic	Nil

FIRST AID

Swallowed	Drink plenty of water. Never give anything by mouth to an unconscious person.
Eye	Flush eyes with copious amount of water. If irritation occurs, seek medical advice.
Skin	Flush with water.
Inhaled	Remove to fresh air. If discomfort occurs, seek medical attention.

Advice to Doctor

Other Health Hazard Information

PRECAUTIONS FOR USE

Personal Protection

Respirator Type (AS 1716)	Respirator approved for solid and liquid particulates, including dusts and mists, e.g. 3M 8810 mask or respirator with P3 filter or equivalents.
Eye Protection	Splash goggles or safety glasses.
Glove Type	Rubber or vinyl gloves.
Clothing	Lab Coat or Overalls
Other Information	Avoid unnecessary breathing of dust. Handle in accordance with good occupational hygiene and safety practices.

Flammability	Non flammable
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SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions	Store dry and refrigerated. Stable for at least 5 years when stored dry in a refrigerator.
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Product Name: tetra-*N*-Acetyl-Chitotetraose**Handling** tetra-*N*-Acetyl-Chitotetraose is a non toxic oligosaccharide (carbohydrate compound) produced by the controlled acid hydrolysis of chitin. This compound is non-toxic.**Proper Shipping Name** None Allocated**Spills and Disposal****Spills and Disposal** Remove spillages with an absorbent cloth. Flush remainder with plenty of water.**Disposal** Sanitation landfill or incineration in accordance with local, state and federal regulations.**Fire/Explosion Hazard****Fire Fighting Procedure** No risks are involved**Extinguishing Media** Water, Foam**Hazchem Code** None Allocated**OTHER INFORMATION****Risk Statement** May cause skin sensitization.**Safety Statement** Do not ingest.**Hazard Category** Not Harmful.**CONTACT POINT****Contact** Dr. Barry McCleary, PhD, DScAgr,
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