SAFETY DATA SHEET



Date of revision: December 15, 2022

GENERIC MSDS - NO COUNTRY SPECIFIC DATA

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product Identifiers

	Product	: Glcβ1-4Glcβ-sp4-CMG2-DOPE		
	Product ID Number	: 0938-SC2-L1 / 551824		
	Designation	: Glcβ4Glcβ-SC2-L1		
	Other name	: FSL-CELLOBIOSE(GLCb4GLCb)-SC2-L1		
	Trivial name	: FSL-Cellobiose		
	Brand	: GlycoNZ		
1.2	Relevant identified uses	elevant identified uses of the substance or mixture and uses advised against		
	Identified uses	: Laboratory chemical, for in vitro diagnostic and research use only		
1.3	Details of the supplier of	he supplier of the safety data sheet		
	Company	: GlycoNZ Limited		
		3 Lonsdale St		
		Ellerslie 1051 Auckland		
		New Zealand		
	Email	: <u>shenry@kodebiotech.com</u>		
	Website	: <u>www.glyconz.com</u>		
1.4	Emergency telephone number			
		: +64 21 715 494		

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label Elements

- Caution substance not yet tested completely
- 2.3 Other hazards none

SECTION 3: Composition/information on ingredients

3.1 Substances

4.1

4.2

Description	: Glcβ1-4Glcβ-sp4-CMG2-DOPE
Formula	: C101H163N17Na5O43P
Mol. Weight	: 2449.4 Da
Proportion	: 100%
Form	: Lyophilized from 5% water solution at +20°C

SECTION 4: First aid measures

Description of first aid measures If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of skin contact Wash with plenty of water. In case of eye contact Flush with water for at least 15 minutes. If symptoms arise seek medical attention. If swallowed Wash out mouth with water and give water to drink. If symptoms arise seek medical attention. Most important symptoms and effects, both acute and delayed

- The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- 4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media

- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture
- Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides

5.3 Advice for firefighters

- Wear self-contained breathing apparatus for firefighting if necessary.
- 5.4 Further information Not data available

SECTION 6: Accidental release measures

6.1	Personal precautions, protective equipment and emergency procedures			
	Avoid dust formation. Avoid breathing vapours, mist or gas.			
	For personal protection, see section 8.			

- 6.2 Environmental precautions Do not let product enter drains
- 6.3 Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections For disposal, see section 13.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
 - Ventilation is not necessary
- 7.2 Conditions for safe storage, including any incompatibilities
 Store at +4°C in dark, best stored at -20°C as lyophilizate
 Product reconstituted in saline/PBS should be kept sterile and stored for no longer than 1 month at +4°C.
 Stored solutions should be sonicated for 60 seconds before re-use.
 Product reconstituted in water is unstable.

7.3 Specific end use(s) Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters. Components with workplace control parameters

- None
- 8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standard such as NIOSH (US) or EN 166(EU).

Skin protection

Selected protective gloves should satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374.

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin with this product. Wash and dry hands.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place.

Respiratory protection

Respiratory protection is not required. Where protection from dust is desired, use dust masks.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) Appearance Off-white, pale yellow to cream amorphous lyophilised powder
 - b) Odour Odourless
 - c) Boiling point Not determined
 - d) Vapour pressure Negligible
 - e) Melting point Not determined
 - f) Solubility in water Very high
 - g) Incompatibility (avoid) Strong acidic or basic reagents, oxidants, unstable in water
- 9.2 Other safety information
 - No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

- Stable under recommended storage conditions
- 10.3 Incompatibility (materials to avoid)
- Strong acidic or basic reagents, oxidants, unstable in water
- **10.4 Hazardous decomposition or by-products** Not determined
- 10.5 Hazardous polymerisation Will not occur

SECTION 11: Toxicological information

SECT	ION 11: Toxicological information	on				
11.1	Information on toxicological effective	cts				
	Acute toxicity	Not toxic				
	Skin corrosion/irritation	Not toxic, see below	Not toxic, see below			
	Serious eye damage/eye irritation	n No damage, see below				
	Respiratory or skin sensitization	Not any effects, see below	N			
	Germ cell mutagenicity	Not mutagenic				
	Carcinogenicity	Not listed by OSHA				
	Reproductive toxicity	Not toxic				
	Specific toxicity	Not toxic				
	Potential health effects					
	Inhalation	May be harmful if inhaled. N	May be harmful if inhaled. May cause respiratory tract irritation			
	Ingestion	May be harmful if swallowed	1			
	Skin	May be harmful is absorbed	through skin. May cause skin irritation			
	Eyes	May cause eye irritation				
SECT	ION 12: Ecological information					
2.1	Toxicity					
	We are not aware of any toxicity for this product.					
2.2	Persistence and degradability					
	Quick degradation by bacteria or fungi etc.					
2.3	Bio accumulative potential					
	No potential					
2.4	Mobility in soil					
	Fast eluting by water					
2.5	Other adverse effects					
	No data available					
SECT	ION 13: Disposal considerations	6				
13.1	Waste treatment methods					
	Product					
	Offer surplus and non-recyclable so	у.				
	Contaminated packaging		-			
	Dispose of as unused product.					
SECT	ION 14: Transport Information					
4.1	UN number					
	ADR/RID: -	IMDG: -	IATA: -			
4.2	UN proper shipping name					
	ADR/RID: Not dangerous goods					
	IMDG: Not dangerous go					
	IATA: Not dangerous goods					
4.3	Transport hazard class(es) - Not	hazardous				
	ADR/RID: -	IMDG: -	IATA: -			
4.4	Packaging group - Fragile					
14.5	Environmental hazards					
	ADR/RID: none	IMDG Marine pollutant: none	IATA: none			
ECT	ION 15: Regulatory information					
15.1	Safety, health and environmental	regulations/legislation for the subs				
		the requirements of Regulation (EC)	No. 1907/2006.			
5.2	Chemical safety assessment					
	I or this product a chamical actatu	accomment was not corriad out				

For this product, a chemical safety assessment was not carried out

SECTION 16: Other information

NMR spectrum: by request

HPLC data: RT 9.9` Separon SGX C18 7µm, water/MeCN 20%, 2ml/min