SAFETY DATA SHEET



Date of revision: December 1, 2022

GENERIC MSDS - NO COUNTRY SPECIFIC DATA

GlycoNZ

SECT	ION 1: Identification o	f the substance/mixture and of the company/undertaking		
1.1	1.1 Product Identifiers			
	Product	: Glca-sp3-CMG2-DOPE		
	Product ID Number	: 0021-SC2-L1 / 756152		
	Designation	: Glcα-SC2-L1		
	Other name	: FSL-GLCa-SC2-L1		
	Trivial name	: FSL-α-D-glucose		
	Brand	: GlycoNZ		
1.2	Relevant identified us	es 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 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	: Glcα-sp3-CMG2-DOPE
Formula	: C96H156N16Na5O38P
Mol. Weight	: 2288.3 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			
	Serious eye damage/eye irritation	No damage, see below			
	Respiratory or skin sensitization	Not any effects, see below			
	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 May be harmful if swallowed May be harmful is absorbed through skin. May cause skin irritation		
	Ingestion	May be harmful if swallowed			
	Skin	May be harmful is absorbed			
	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	8			
13.1	Waste treatment methods				
	Product				
	Offer surplus and non-recyclable so	lutions to a licensed disposal compan	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 goods				
	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		
SECT	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				
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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