

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

Product : 4-O-Su-Gal β 1-4GlcNAc β -sp2-CMG2-DOPE
Product ID Number : 0909a-SC2-L1 / 816506
Designation : 4'-suLN-SC2-L1
Other name : FSL-S4GA1b4GLCNb-SC2-L1
Trivial name : FSL-LacNAc-4-O-sulfate
Brand : GlycoNZ

1.2 Relevant 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 the safety data sheet

Company : GlycoNZ Limited
3 Lonsdale St
Ellerslie 1051 Auckland
New Zealand
Email : shenry@kodebiotech.com
Website : www.glyconz.com

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**

Description : 4-O-Su-Gal β 1-4GlcNAc β -sp2-CMG2-DOPE
Formula : C₁₀₃H₁₆₆N₁₇Na₆O₄₆PS
Mol. Weight : 2579.5 Da
Proportion : 100%
Form : Lyophilized from 5% water solution at +20°C

SECTION 4: First aid measures**4.1 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.

4.2 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 (NO_x), 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**
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|----|-------------------------|--|
| 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

