## 1 Identification

- **Product identifier**
- **Trade name:** AdvanceBio APTS G2S2 α(2,6) / A2G2S(6)2 N-Glycan Standard
- **Article number:** GKSP-312

- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Reagents and Standards for Analytical Chemical Laboratory Use

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Agilent Technologies Australia Pty Ltd
    679 Springvale Road
    Mulgrave
    Victoria 3170, Australia
  - **Email:** pdl-msds_author@agilent.com
  - **Phone number:** 1800 802 402
  - **Emergency telephone number:** CHEMTREC®: +(61)-290372994

## 2 Hazard(s) Identification

- **Classification of the substance or mixture**
  - ![GHS07](image)
  - **Signal word** Warning
  - **Hazard statements**
    - Causes skin irritation.
    - May cause respiratory irritation.
  - **Precautionary statements**
    - Avoid breathing dust/fume/gas/mist/vapours/spray.
    - Wash thoroughly after handling.
    - Use only outdoors or in a well-ventilated area.
    - Avoid release to the environment.
    - Wear protective gloves/protective clothing/eye protection/face protection.
    - IF SWALLOWED: Call a POISON CENTER if you feel unwell.
    - IF SWALLOWED: Call a doctor if you feel unwell.
    - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
    - IF ON SKIN: Wash with plenty of soap and water.
    - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

(Contd. on page 2)
Trade name: AdvanceBio APTS G2S2 α(2,6) / A2G2S(6)2 N-Glycan Standard

4.1.25

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in accordance with local/regional/national/international regulations. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

· Other hazards
· Results of PBT and vPvB assessment
   · PBT: Not applicable.
   · vPvB: Not applicable.

3. Composition and Information on Ingredients

· Chemical characterisation: Substances
· CAS No. Description
   APTS Labeled Glycans/Oligosaccharides

4. First Aid Measures

· Description of first aid measures
   · After inhalation: Supply fresh air; consult doctor in case of complaints.
   · After skin contact: Generally the product does not irritate the skin.
   · After eye contact: Rinse opened eye for several minutes under running water.
   · After swallowing: If symptoms persist consult doctor.
· Information for doctor:
   · Most important symptoms and effects, both acute and delayed: No further relevant information available.
   · Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. Fire Fighting Measures

· Extinguishing media
   · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
· Special hazards arising from the substance or mixture: No further relevant information available.
· Advice for firefighters
   · Protective equipment: No special measures required.

6. Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures
   Wear protective gloves / eye protection / face protection.
· Environmental precautions: Do not allow to enter sewers / surface or ground water.
· Methods and material for containment and cleaning up: Pick up mechanically.
· Reference to other sections
   See Section 7 for information on safe handling.
   See Section 8 for information on personal protection equipment.
   See Section 13 for disposal information.
7 Handling and Storage

· Handling:
  · Precautions for safe handling: No special precautions are necessary if used correctly.
  · Information about fire - and explosion protection: No special measures required.

· Conditions for safe storage, including any incompatibilities
  · Storage:
    · Requirements to be met by storerooms and receptacles: No special requirements.
    · Information about storage in one common storage facility: Not required.
    · Further information about storage conditions: None.
  · Specific end use(s): No further relevant information available.

8 Exposure controls and personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· Control parameters
  · Ingredients with limit values that require monitoring at the workplace: Not required.
  · Additional information: The lists valid during the making were used as basis.

· Exposure controls
  · Personal protective equipment:
    · General protective and hygienic measures: Wash hands before breaks and at the end of work.
    · Respiratory protection: Not required.
    · Protection of hands:
      · The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
      · Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    · Material of gloves
      · The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
    · Penetration time of glove material
      · The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
    · Eye protection: Wear eye protection / face protection.

9 Physical and Chemical Properties

· Information on basic physical and chemical properties
  · General Information
    · Appearance:
      · Form: Powder
      · Colour: Brown
    · Odour:
      · Odour threshold: Characteristic
    · Odour threshold:
      · pH-value: Not determined.

    · Melting point/freezing point: Undetermined.
    · Initial boiling point and boiling range: Undetermined.
Trade name: AdvanceBio APTS G2S2 α(2,6) / A2G2S(6)2 N-Glycan Standard

10 Stability and Reactivity

- Reactivity: No further relevant information available.
- Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

- Information on toxicological effects
- Acute toxicity
  - Primary irritant effect: May be harmful in contact with skin.
  - Skin corrosion/irritation: No irritating effect.
  - Serious eye damage/irritation: No sensitising effects known.
12 Ecological Information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behaviour in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

Not Regulated, De minimis Quantities

- UN-Number
  - ADG, ADN, IMDG, IATA: not regulated
- UN proper shipping name
  - ADG, ADN, IMDG, IATA: not regulated
- Transport hazard class(es)
  - ADG, ADN, IMDG, IATA
  - Class: not regulated
- Packing group
  - ADG, IMDG, IATA: not regulated
- Environmental hazards:
  - Not applicable.
- Special precautions for user
  - Not applicable.
- Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable.
Trade name: AdvanceBio APTS G2S2 α(2,6) / A2G2S(6)2 N-Glycan Standard

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Australian Inventory of Chemical Substances
    Substance is not listed.
  - Standard for the Uniform Scheduling of Medicines and Poisons
    Substance is not listed.
  - GHS label elements The substance is classified and labelled according to the Globally Harmonised System (GHS).
    - Hazard pictograms
      - GHS07
      - Signal word Warning
      - Hazard statements
        Causes skin irritation.
        May cause respiratory irritation.
      - Precautionary statements
        Avoid breathing dust/fume/gas/mist/vapours/spray.
        Wash thoroughly after handling.
        Use only outdoors or in a well-ventilated area.
        Avoid release to the environment.
        Wear protective gloves/protective clothing/eye protection/face protection.
        IF SWALLOWED: Call a POISON CENTER if you feel unwell.
        IF SWALLOWED: Call a doctor if you feel unwell.
        IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
        IF ON SKIN: Wash with plenty of soap and water.
        IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
        IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
        Store in accordance with local/regional/national/international regulations.
        Store in a well-ventilated place. Keep cool.
        Store locked up.
        Dispose of contents/container in accordance with local/regional/national/international regulations.
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I Substance is not listed.
  - Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

- The information contained in this document is based on Agilent’s state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

- Abbreviations and acronyms:
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3