AM Chemicals, LLC

Material Safety Data Sheet

Version 1.2
Date 11/01/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GalNAc C5 Phosphoramidite, TMT protected
Company : AM Chemicals LLC
1060 Joshua Way
Vista, CA 92081-7807
(760) 215-9661
www.amchemicals.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

2-cyanoethyl ((1-(6-(5-((3,4,6-O-triacetyl-2-acetylamino-2-deoxy-β-D-galactopyranosyl)oxy)pentanamido)hexanoyl)-4-((tris(4-methoxyphenyl)methoxy)methyl)piperidin-4-yl)methyl) diisopropylphosphoramidite

3. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

No known OSHA hazards

HMIS Classification

Health Hazard: 0
Flammability: 0
Physical hazards: 0

NFPA Rating

Health Hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

4. 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 off with soap and plenty of water.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties
Flash point: no data available
Ignition temperature: no data available

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid dust formation.

Environmental precautions
Do not let product enter drains.

Methods for cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage
Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: -20 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
For prolonged or repeated contact use protective gloves.

Eye protection
Safety glasses

Hygiene measures
General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form: white solid

Safety data

pH:	6.0-8.0
Melting point:	>300ºC
Boiling point:	>300ºC
Flash point:	no data available
Ignition Temperature:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Water solubility:	no data available

10. STABILITY AND REACTIVITY

Storage stability
Stable under recommended storage conditions.

Materials to avoid
Strong oxidizing agents, strong alkalies

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity: no data available

Irritation and corrosion: no data available

Sensitisation: no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability): no data available

Ecotoxicity effects: no data available

Further information on ecology: no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards
No known OSHA hazards

TSCA Status
Not On TSCA Inventory

CAS-No.
2172953-01-2

DSL Status
This product contains the following components that are not on the Canadian DSL nor NDSL lists.

CAS-No.
2172953-01-2

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right To Know Components
2-cyanoethyl ((1-(6-(5-((3,4,6-O-triacetyl-2-acetylamino-2-deoxy-β-D-galactopyranosyl)oxy)pentanamido)hexanoyl)-4-((tris(4-methoxyphenyl)methoxy)methyl)piperidin-4-yl)methyl) diisopropylphosphoramidite

Pennsylvania Right To Know Components

2-cyanoethyl ((1-(6-(5-((3,4,6-O-triacetyl-2-acetylamino-2-deoxy-β-D-galactopyranosyl)oxy)pentanamido)hexanoyl)-4-((tris(4-methoxyphenyl)methoxy)methyl)piperidin-4-yl)methyl) diisopropylphosphoramidite

New Jersey Right To Know Components

2-cyanoethyl ((1-(6-(5-((3,4,6-O-triacetyl-2-acetylamino-2-deoxy-β-D-galactopyranosyl)oxy)pentanamido)hexanoyl)-4-((tris(4-methoxyphenyl)methoxy)methyl)piperidin-4-yl)methyl) diisopropylphosphoramidite

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. AM Chemicals LLC, shall not be held liable for any damage resulting from handling or from contact with the above product.