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A Geno Technology, Inc. (USA) brand name

# Safety Data Sheet

## Azido-PEG4-NHS ester

Cat. # 786-2427



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# Azido-PEG4-NHS ester

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Date of issue: 5/22/2026 Revision date: 6/2/2026 Supersedes: 5/22/2026 Version: 2.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Substance  
Substance name : Azido-PEG4-NHS ester  
CAS-No. : 944251-24-5  
Product code : 362M  
Formula : C15H24N4O8

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Scientific research and development

#### 1.4. Supplier's details

G-Biosciences/ Geno Technology, Inc.  
9800 Page Avenue  
St. Louis, MO 63132-1429, USA  
Tel. 1-800-628-7730  
[www.GBiosciences.com](http://www.GBiosciences.com)

#### 1.5. Emergency phone number

Emergency number : Chemtrec **1-800-424-9300** (USA/Canada), **+1-703-527-3887** (Intl)

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                               |      |                                |
|-----------------------------------------------|------|--------------------------------|
| Flammable solid, Category 1                   | H228 | Flammable solid.               |
| Skin corrosion/irritation, Category 2         | H315 | Causes skin irritation.        |
| Serious eye damage/eye irritation, Category 2 | H319 | Causes serious eye irritation. |
| Full text of H statements : see section 16    |      |                                |

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H228 - Flammable solid  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 - Ground/Bond container and receiving equipment.  
P241 - Use explosion-proof equipment.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing

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protection.

P302+P352 - If on skin: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P332+P313 - If skin irritation occurs: Get medical advice or attention.

P337+P313 - If eye irritation persists: Get medical advice or attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use appropriate media to extinguish.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

| Name                                       | Common Name (Synonyms) | Product identifier   | %   | GHS US classification                                           |
|--------------------------------------------|------------------------|----------------------|-----|-----------------------------------------------------------------|
| Azido-PEG4-NHS ester<br>(Main constituent) |                        | CAS-No.: 944251-24-5 | 100 | Flam. Sol. 1, H228<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If you feel unwell, seek medical advice.                                                                                                                                       |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                                                                 |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.                                                       |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center/doctor/physician if you feel unwell.                                                                                                                      |
| Self protection of the first-aiders   | : First-aiders should consider self-protection and use the recommended personal protective equipment (see section 8).                                                            |

### 4.2. Most important symptoms/effects, acute and delayed

|                                     |                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. |
| Symptoms/effects after skin contact | : Irritation.                                                                                                                             |
| Symptoms/effects after eye contact  | : Eye irritation.                                                                                                                         |
| Symptoms/effects after ingestion    | : None under normal conditions.                                                                                                           |

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### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable solid.  
Explosion hazard : No direct explosion hazard.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

#### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel.  
Environmental precautions : Avoid release to the environment.

### 6.2. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.  
Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.  
For further information refer to section 13.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

### 7.2. Conditions for safe storage, including incompatibilities

Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Keep cool. Protect from sunlight. Keep away from ignition sources.  
Packaging materials : Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

|                                                                          |
|--------------------------------------------------------------------------|
| <b>Hand protection:</b>                                                  |
| Protective gloves                                                        |
| <b>Eye protection:</b>                                                   |
| Safety glasses                                                           |
| <b>Skin and body protection:</b>                                         |
| Wear suitable protective clothing                                        |
| <b>Respiratory protection:</b>                                           |
| In case of insufficient ventilation, wear suitable respiratory equipment |

#### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state : Liquid  
Color : No data available  
Odor : No data available  
Odor threshold : No data available  
pH : No data available  
Melting point : No data available  
Freezing point : Not applicable  
Boiling point : No data available  
Flash point : Not applicable  
Flammability (solid, gas) : Flammable solid.  
Vapor pressure : No data available  
Relative vapor density at 20°C : No data available

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|                                                 |                     |
|-------------------------------------------------|---------------------|
| Relative density                                | : No data available |
| Molecular mass                                  | : 388.37            |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : Not applicable    |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : Not applicable    |
| Explosion limits                                | : Not applicable    |
| Particle characteristics                        | : No data available |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Flammable solid.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Hazardous decomposition products.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Acute toxicity (oral)             | : Not classified                 |
| Acute toxicity (dermal)           | : Not classified                 |
| Acute toxicity (inhalation)       | : Not classified                 |
| Skin corrosion/irritation         | : Causes skin irritation.        |
| Serious eye damage/irritation     | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified                 |
| Germ cell mutagenicity            | : Not classified                 |
| Carcinogenicity                   | : Not classified                 |
| Reproductive toxicity             | : Not classified                 |
| STOT-single exposure              | : Not classified                 |
| STOT-repeated exposure            | : Not classified                 |
| Aspiration hazard                 | : Not classified                 |

### Azido-PEG4-NHS ester (944251-24-5)

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

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|                                     |                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. |
| Symptoms/effects after skin contact | : Irritation.                                                                                                                             |
| Symptoms/effects after eye contact  | : Eye irritation.                                                                                                                         |
| Symptoms/effects after ingestion    | : None under normal conditions.                                                                                                           |

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

|                                                           |                                                                                                                        |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                                                                       |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                                                       |

### 12.2. Persistence and degradability

#### Azido-PEG4-NHS ester (944251-24-5)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |                  |
|------------------------------|------------------|
| Ozone                        | : Not classified |
| Fluorinated greenhouse gases | : No             |

## SECTION 13 Disposal considerations

|                                            |                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional legislation (waste)               | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Waste treatment methods                    | : Waste treatment methods.                                                                                                                                                                                                              |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Product/Packaging disposal recommendations | : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.                                                                                                                 |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                       |
| Ecological waste information               | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

## SECTION 14 Transport information

In accordance with DOT / TDG / IATA

### 14.1. UN number

|               |          |
|---------------|----------|
| UN-No. (DOT)  | : UN1325 |
| UN-No. (TDG)  | : UN1325 |
| UN-No. (IATA) | : 1325   |

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### 14.2. UN Proper Shipping Name

|                             |                                                            |
|-----------------------------|------------------------------------------------------------|
| Proper Shipping Name (DOT)  | : Flammable solids, organic, n.o.s. (Azido-PEG4-NHS ester) |
| Proper Shipping Name (TDG)  | : FLAMMABLE SOLID, ORGANIC, N.O.S. (Azido-PEG4-NHS ester)  |
| Proper Shipping Name (IATA) | : Flammable solid, organic, n.o.s. (Azido-PEG4-NHS ester)  |

### 14.3. Transport hazard class(es)

#### DOT

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (DOT) | : 4.1 |
| Hazard labels (DOT)              | : 4.1 |



#### TDG

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (TDG) | : 4.1 |
| Hazard labels (TDG)              | : 4.1 |



#### IATA

|                                   |       |
|-----------------------------------|-------|
| Transport hazard class(es) (IATA) | : 4.1 |
| Hazard labels (IATA)              | : 4.1 |



### 14.4. Packing group

|                      |      |
|----------------------|------|
| Packing group (DOT)  | : II |
| Packing group (TDG)  | : II |
| Packing group (IATA) | : II |

### 14.5. Environmental hazards

|                   |                                           |
|-------------------|-------------------------------------------|
| Other information | : No supplementary information available. |
|-------------------|-------------------------------------------|

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

|              |          |
|--------------|----------|
| UN-No. (DOT) | : UN1325 |
|--------------|----------|



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|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Special Provisions (49 CFR 172.102)                          | : A1 - Single packaging are not permitted on passenger aircraft.<br>IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).<br>IP2 - When IBCs other than metal or rigid plastics IBCs are used, they must be offered for transportation in a closed freight container or a closed transport vehicle.<br>IP4 - Flexible, fiberboard or wooden IBCs must be sift-proof and water-resistant or be fitted with a sift-proof and water-resistant liner.<br>T3 - 2.65 178.274(d)(2) Normal..... 178.275(d)(2)<br>TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 151                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 15 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 50 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DOT Vessel Stowage Location                                      | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>TDG</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UN-No. (TDG)                                                     | : UN1325                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TDG Special Provisions                                           | : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks).<br>(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:<br>(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;<br>(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;<br>(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;<br>(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or<br>(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.<br>(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:<br>(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or<br>(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.                                                                                                                                                                                                                                                                                                                                                                 |
| ERAP Index                                                       | : 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Explosive Limit and Limited Quantity Index                       | : 1 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Excepted quantities (TDG)                                        | : E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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Passenger Carrying Road Vehicle or Passenger : 15 kg  
Carrying Railway Vehicle Index  
Emergency Response Guide (ERG) Number : 133

### IATA

Special provision (IATA) : A3, A803  
PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y441  
PCA limited quantity max net quantity (IATA) : 5kg  
PCA packing instructions (IATA) : 445  
PCA max net quantity (IATA) : 15kg  
CAO packing instructions (IATA) : 448  
CAO max net quantity (IATA) : 50kg  
ERG code (IATA) : 3L

## SECTION 15 Regulatory information

### 15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name                 | CAS-No.     | Listing     | Commercial status | Flags |
|----------------------|-------------|-------------|-------------------|-------|
| Azido-PEG4-NHS ester | 944251-24-5 | Not present | -                 |       |

### 15.2. International regulations

#### CANADA

#### Azido-PEG4-NHS ester (944251-24-5)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. State regulations

No additional information available

## SECTION 16 Other information

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Date of issue : 5/22/2026

| Full text of hazard classes and H-statements |                               |
|----------------------------------------------|-------------------------------|
| H228                                         | Flammable solid               |
| H315                                         | Causes skin irritation        |
| H319                                         | Causes serious eye irritation |

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| Abbreviations and acronyms |                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------|
| ACGIH                      | American Conference of Government Industrial Hygienists                                         |
| ADN                        | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                        | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                        | Acute Toxicity Estimate                                                                         |
| BCF                        | Bioconcentration factor                                                                         |
| BLV                        | Biological limit value                                                                          |
| BOD                        | Biochemical oxygen demand (BOD)                                                                 |
| CAS-No.                    | Chemical Abstract Service number                                                                |
| CLP                        | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD                        | Chemical oxygen demand (COD)                                                                    |
| CSA                        | Chemical safety assessment                                                                      |
| DMEL                       | Derived Minimal Effect level                                                                    |
| DNEL                       | Derived-No Effect Level                                                                         |
| EC-No.                     | European Community number                                                                       |
| EC50                       | Median effective concentration                                                                  |
| ED                         | Endocrine disruptor                                                                             |
| EN                         | European Standard                                                                               |
| EWC                        | European waste catalogue                                                                        |
| IARC                       | International Agency for Research on Cancer                                                     |
| IATA                       | International Air Transport Association                                                         |
| IMDG                       | International Maritime Dangerous Goods                                                          |
| LC50                       | Median lethal concentration                                                                     |
| LD50                       | Median lethal dose                                                                              |
| LOAEL                      | Lowest Observed Adverse Effect Level                                                            |
| Log Kow                    | Partition coefficient n-octanol/water (Log Kow)                                                 |
| Log Pow                    | Partition coefficient n-octanol/water (Log Pow)                                                 |
| MAK                        | maximum workplace concentration                                                                 |
| NOAEC                      | No-Observed Adverse Effect Concentration                                                        |
| NOAEL                      | No-Observed Adverse Effect Level                                                                |
| NOEC                       | No-Observed Effect Concentration                                                                |
| N.O.S.                     | Not Otherwise Specified                                                                         |
| OECD                       | Organisation for Economic Co-operation and Development                                          |
| OEL                        | Occupational Exposure Limit                                                                     |
| OSHA                       | Occupational Safety & Health Administration                                                     |
| PBT                        | Persistent Bioaccumulative Toxic                                                                |
| PNEC                       | Predicted No-Effect Concentration                                                               |

# Azido-PEG4-NHS ester

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Abbreviations and acronyms |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| PPE                        | Personal protection equipment                                                |
| RID                        | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                        | Safety Data Sheet                                                            |
| STP                        | Sewage treatment plant                                                       |
| TF                         | Technical function                                                           |
| ThOD                       | Theoretical oxygen demand (ThOD)                                             |
| TLM                        | Median Tolerance Limit                                                       |
| TWA                        | Time Weighted Average                                                        |
| VOC                        | Volatile Organic Compounds                                                   |
| vPvB                       | Very Persistent and Very Bioaccumulative                                     |
| UFI                        | Unique Formula Identifier                                                    |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.