BERRY & ASSOCIATES/ICON ISOTOPES

Safety Data Sheet
2'-*O*-Aminolinker-U CEP

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	2'-*O*-Aminolinker-U CEP
Product number	BA 0281
Brand	Berry & Associates, Inc.
Substance name	3'-*O*-[(Diisopropylamino)(2-cyanoethoxy)phosphino]-5'-*O*-(4,4'-dimethoxytrityl)-2'-*O*-2-[2-(trifluoroacetamido)ethoxy]ethyluridine
CAS no.	None assigned

1.2 Relevant identified uses of the substance or mixture and uses advised against
Laboratory chemicals; Manufacture of substance

1.3 Details of the supplier of the safety data sheet

Name	Berry & Associates/ICON Isotopes
Address	2434 Bishop Circle East Dexter, MI 48130 USA
Telephone	734-426-3787
Fax	734-426-9077
email	orders@berryassoc.com

1.4 Emergency telephone number

USA /Canada 800-424-9300
All else 703-527-3887

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)
Not a hazardous substance or mixture

2.2 Label elements
Not a hazardous substance or mixture

2.3 Other hazards
Not a hazardous substance or mixture

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name	2'-*O*-Aminolinker-U CEP
CAS no.	None assigned
Formula	$C_{45}H_{55}F_3N_5O_{11}P$
Molecular weight	929.91

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation	Move to fresh air. Get medical attention if symptoms occur.
Following skin contact	Wash skin with soap and water.
Following eye contact	Immediately flush eyes with water for at least 15 minutes. Get medical attention if symptoms occur.
Following ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Solid water stream may be inefficient.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus if necessary and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid raising and breathing dust, provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus and appropriate personal protection (safety goggles, heavy rubber gloves and rubber boots).

6.2 Environmental precautions

Take measures to avoid release into the environment, do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Contain spill and collect as appropriate. Sweep up and shovel. Transfer to chemical waste container in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep container tightly sealed.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a dry, well-ventilated area at -20 °C, dry. Protect from heat and store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls
Use industrial hygiene practices to control hazardous materials. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands after use.

Personal protection equipment

Eye and face protection
Safety glasses

Skin protection
Chemical-resistant gloves

Respiratory protection
NIOSH approved respirator, as conditions warrant.

Environmental exposure controls
Do not let material enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Solid
Odor	No data available.
Odor threshold	No data available.
pH	No data available.
Melting point / freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubilit(ies)	Soluble in DMSO
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under recommended storage conditions: -20 °C, dry.

10.3 Possibility of hazardous reactions
Reacts with strong oxidizing agents.

10.4 Conditions to avoid
No data available.

10.5 Incompatible materials
Heat.

10.6 Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
May be harmful if swallowed.

Skin corrosion/irritation
No data available.

Serious eye damage/irritation
May cause eye irritation.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

Summary of evaluation of the CMR properties
No data available.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
No data available.

SECTION 12: Ecological information

12.1 Toxicity
No data available.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal of the product
Dispose in accordance with local, state and federal regulations.

Disposal of contaminated packaging
Dispose in accordance with local, state and federal regulations.

SECTION 14: Transport information

DOT (US), IMDG, IATA
Not a dangerous good

SECTION 16: Other information

Further information/disclaimer
The Information in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Safety Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Users should make independent decisions regarding completeness of information based on all sources available. Berry & Associates, Inc. shall not be held liable for any damage resulting from handling or contact with the above product.