

# Safety data sheet

Version: 01.01/USA

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## SECTION 1: Identification

### 1.1. Product identifier

Trade name: LNA-A(Bz) phoshoramidite,  
LNA-T phoshoramidite,  
LNA-mC(Bz) phoshoramidite,  
LNA-G(dmf) phoshoramidite,  
LNA-mC(Ac) phosphoramidite, A2-quencher phosphoramidite

Item number: EQ-0063\*/4393112, EQ-0064\*/4393114, EQ-0066\*, EQ-0082\*/4393115, EQ-0093\*/4393113,  
EQ-0138\*  
\* = Joker (can be no or any number)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Life Science Laboratory chemicals. For research use only.

### 1.3. Details of the supplier of the safety data sheet

Supplier: Exiqon A/S  
Skelstedet 16  
2950 Vedbæk  
Denmark  
Tel: +4545660888  
Fax: +4545661888  
Email: support@exiqon.com

### 1.4. Emergency telephone number

+45 45 66 08 88  
Emergency telephone comments: The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification: The product shall not be classified as hazardous according to the national classification and labelling rules.

Most serious harmful effects: May cause slight irritation to the skin and eyes.

### 2.2. Label elements

The product shall not be classified as hazardous according to the national classification and labelling rules.

### 2.3. Other hazards

None known.

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

CAS No.	Substance	w/w%	Note
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**SECTION 4: First aid measures****4.1. Description of first aid measures**

Inhalation:	Seek fresh air, wash out mouth with water and blow nose thoroughly.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin:	Remove contaminated clothing. Wash the skin with water.
Eyes:	Flush with water (preferably using eyewash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Other information:	Bring the safety data sheet or label when seeking medical advice

**4.2. Most important symptoms and effects, both acute and delayed**

May cause slight irritation to the skin and eyes.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms. No special immediate treatment required.

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**SECTION 5: Fire-fighting measures****5.1. Extinguishing media**

Suitable extinguishing media Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited inventory.

Unsuitable extinguishing media Do not use a jet of water, as it may spread the fire.

**5.2. Special hazards arising from the substance or mixture**

Can generate harmful flue gases containing carbon monoxide in the event of fire.

**5.3. Advice for firefighters**

Move containers from danger area if it can be done without risk. Avoid inhalation of vapor and smoke gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: Stop leak if this can be done without risk.

For emergency responders: In addition to the above: Normal protective clothing is recommended.

**6.2. Environmental precautions**

Prevent spillage from entering drains and/or surface water.

**6.3. Methods and material for containment and cleaning up**

Wipe up minor spills with a damp cloth.

**6.4. Reference to other sections**

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Avoid formation of dust.

**7.2. Conditions for safe storage, including any incompatibilities**

The product should be stored safely, out of reach of children and away from food, animal feed, medicines, etc. Store at temperatures below 5°C/41°F.

**7.3. Specific end use(s)**

None.

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Legal basis: ACGIH Threshold Limit Values (TLV's) and Biological Exposure Indices (BEI's), 2015. OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006.

Contains no substances subject to disclosure requirements.

## 8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Not required.

Personal protective equipment, skin protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State: Solid substance  
Color: Light yellow or dark purple  
Odour: Odorless  
Odour threshold: No data  
pH (solution for use): No data  
pH (concentrate): No data  
Melting point/freezing point: No data  
Initial boiling point and boiling range: No data  
Flash point: No data  
Evaporation rate: No data  
Flammability (solid, gas): No data  
Upper/lower flammability limits: No data  
Upper/lower explosive limits: No data  
Vapor pressure: No data  
Vapour density: No data  
Relative density: No data  
Solubility: Insoluble in the following: Water.  
Partition coefficient n-octanol/water: No data  
Auto-ignition temperature: No data  
Decomposition temperature: No data  
Viscosity: No data  
Explosive properties: No data  
Oxidizing properties: No data

### 9.2. Other information

None.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with the following: Strong oxidisers.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong oxidisers.

### 10.6. Hazardous decomposition products

Can generate harmful flue gases containing carbon monoxide in the event of fire.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity - oral:	Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Temporary irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.  This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product does not have to be classified. Test data are not available. Inhalation of dust may cause irritation to the upper airways.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

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## **SECTION 12: Ecological information**

### **12.1. Toxicity**

The product does not have to be classified. Test data are not available.

### **12.2. Persistence and degradability**

Test data are not available.

### **12.3. Bioaccumulative potential**

Test data are not available.

### **12.4. Mobility in soil**

Test data are not available.

### **12.5. Results of PBT and vPvB assessment**

No assessment has been made.

### **12.6. Other adverse effects**

None known.

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## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water.

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

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### SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods.

14.1. UN number -

14.2. UN proper shipping name -

14.3. Transport hazard class(es) -

14.4. Packing group -

14.5. Environmental hazards -

14.6. Special precautions for user -

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code -

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: None.

#### US Federal

TSCA: All ingredients are on the inventory or exempt from listing.

CERCLA: None of the ingredients are on the inventory.

#### SARA title III Rules

Section 302: None of the ingredients are on the inventory.

Section 313: None of the ingredients are on the inventory.

#### NFPA ratings (scale 0 - 4)

Health Hazard: 0

Flammability: 0

Instability: 0

#### HMIS III ratings (scale 0 - 4)

Health hazard: 0

Flammability: 0

Physical hazard: 0

#### State regulations

##### Proposition 65

Chemicals known to cause cancer:

None of the ingredients are listed

Chemicals known to cause reproductive toxicity:

None of the ingredients are listed

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### SECTION 16: Other information

Changes have been made in the following sections: 2,3,16

Abbreviation explanations: STOT: Specific Target Organ Toxicity  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative

Classification method: Calculation based on the hazards of the known components.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with CFR29, §1910.1200.

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