β-Nicotinamide adenine dinucleotide phosphate, reduced tetra(cyclohexylammonium) salt: sc-212373



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Product Number:	β -Nicotinamide adenine dinucleotide phosphate, reduced tetra(cyclohexylammonium) salt sc-212373
Supplier:	Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, CA 95060
Emergency:	800.457.3801 or 831.457.3800 ChemWatch
U I	Within the US & Canada: 877–715–9305 Outside the US & Canada: +800 2436 2255 (1–800-CHEMCALL) or call +613 9573 3112

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms :	Triphosphopyridine nucleotide, re					
Formula :	C21H30N7O17P3 · 4C6H13N					
Molecular Weight: 1,142.12 g/mol						
CAS-No.		EC-No.	Index-No.	Concentration		

β-Nicotinamide adenine dinucleotide phosphate, reduced tetra(cyclohexylammonium) salt

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. Eves 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	solid	pl
Melting point	no data available	В
Flash point	no data available	lg
Lower explosion limit	no data available	U
Water solubility	no data available	

pH Boiling point Ignition temperature Upper explosion limit no data available no data available no data available no data available

10. STABILITY AND REACTIVITY

Storage stability
Stable under recommended storage conditions.
Materials to avoid
Strong oxidizing agents
Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. – Carbon 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 β-Nicotinamide adenine dinucleotide phosphate, reduced tetra (cyclohexylammonium) salt

CAS-No.: 100929-71-3

DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists. β -Nicotinamide adenine dinucleotide phosphate, reduced tetra CAS-No.: 100929–71–3 (cyclohexylammonium) salt

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 HazardsSARA 311/312 Hazards
Massachusetts Right To Know Components
No Components ListedCase and a section of the section of th

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

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

11/17/2010