

SAFETY DATA SHEET

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE DISODIUM, TRIHYDRATE (NADP)

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Nicotinamide adenine dinucleotide phosphate, disodium, trihydrate
Catalog Number: NAD003/NAD007

SECTION 2 HAZARDS IDENTIFICATION

WHMIS: Not controlled

GHS:

Not hazardous according to GHS

Target Organs: Non known
Eyes: May cause irritation..
Skin: May cause irritation..
Inhalation. May cause irritation to respiratory tract.
Ingestion: may cause irritation to GI tract if swallowed in large amounts. May be harmful if swallowed.
CHRONIC HEALTH HAZARDS: none known.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Nicotinamide adenine dinucleotide, disodium reduced	53-59-8	100%

Molecular Formula: C₂₁H₂₆N₇O₁₇P₃Na₂·3H₂O
Molecular Weight: 841.4

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water . If irritation persists get medical aid immediately.
Skin: In case of contact, flush area immediately with water. Get medical aid if irritation persists.
Inhalation: Remove victim to fresh air. Get medical aid if irritation, coughing persists.
Ingestion: Wash mouth with water. DO NOT INDUCE VOMITING. Get medical aid if any symptoms appear.

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No
Flash Point: N/A
Autoignition Temperature: N/A
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
ACGIH, NIOSH, OSHA, none listed
Use adequate ventilation. Avoid dust generation..
Wear appropriate protective equipment to prevent eye and skin exposure.
Wear appropriate respirator to prevent lung irritation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: white powder
Appearance and Odor: N/A
Melting Point: N/A
Boiling Point: N/A
Specific Gravity: 1.06/cm³
Vapor Density: N/A
Water Solubility: yes
pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure
Conditions to avoid: dust generation
Incompatibility strong oxidizing agents.
Hazardous Decomposition Products: oxides of phosphorus, carbon dioxide, carbon monoxide.
Hazardous Polymerization: Has not been reported

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SECTION 11 TOXICOLOGICAL PROPERTIES

Observe all federal, provincial and state laws concerning health, safety and pollution.

Exposure Limits:

None listed

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

Carcinogenicity: not listed by ACGIH, IARC, NTP, or CA

SECTION 12 ECOLOGICAL INFORMATION

No information found.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

DOT: not regulated

IATA: not regulated

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

Canada: WHMIS: not controlled

SECTION 16 ADDITIONAL INFORMATION

Hazard Rating System (estimated)

NFPA	Health	Fire	Reactivity
	0	0	0

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

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