

SAFETY DATA SHEET

NIFEDIPINE

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: Nifedipine
Catalog Number: NIF222

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Acute toxicity, Oral, Category 4

Pictogram:



Signal word: WARNING

Hazard statement(s)

H302 Harmful if swallowed.

Precautionary statement(s)

P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects: Harmful by inhalation, ingestion, or skin absorption. MAY BE TERATOGENIC.

Target Organs: cardiovascular system, blood, eyes, CNS.

Eyes: May cause irritation. Harmful if absorbed.

Skin: Causes irritation. Harmful if absorbed through the skin

Inhalation: Harmful if inhaled. May cause injury or illness if inhaled.

Ingestion: harmful if swallowed. Ingestion may cause nausea, vomiting and diarrhea.. May cause CNS disturbances.

CHRONIC HEALTH HAZARDS: The toxicological properties of this product have not been fully investigated. Symptoms of overexposure include dizziness, peripheral edema, nausea, seizures.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Nifedipine	21829-4	>99%
Molecular Formula: C ₁₇ H ₁₈ N ₂ O ₆		
Molecular Weight: 346.3		

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. **Get immediate medical attention.**

Skin: Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes.. **Get immediate medical attention.**

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen . **GET MEDICAL ATTENTION.**

Ingestion: Wash mouth with water. **GET MEDICAL ATTENTION .**

SECTION 5 FIRE FIGHTING MEASURES

General Information: Always wear full protective gear in the event of a fire. Toxic gase and vapors may be generated by decomposition or combustion.

Flash Point: N/A

Autoignition Temperature: N/A

Explosion limits N/A

Extinguishing Media: **Small fires:** Use water spray, foam, dry chemical or carbon dioxide.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment.. Absorb with inert material like vermiculite or earth. Sweep into suitable 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. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: N/A

Avoid contact with material

Wear appropriate protective equipment to prevent eye and skin exposure. Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

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US : TSCA: listed
European/International:
Canada: WHMIS: **D1B**

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid
Appearance and Odor: yellow powder.
Freezing/Melting Point: N/A
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Vapor pressure: N/A
Viscosity: N/A
Solubility: soluble in water
pH: N/A

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 1/2025
Phone: (800) 234-1179

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure.
Conditions to avoid: moisture and heat.
Incompatibility: Strong oxidizing agents and reducing agents, caustics.
Hazardous Decomposition Products: carbon monoxide, carbon dioxide, nitrogen oxides.
Hazardous Polymerization: Will not occur

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.
Observe all federal, provincial and state laws concerning health, safety and pollution.

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:
Oral, Rat= LD50=1022mg/kg
Oral mouse: LD50=202 mg/kg.

Epidemiology: No data available

Teratogenicity: Laboratory experiments in animals have shown teratogenic effects, Cardiovascular abnormalities, still births .

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or OSHA. Naphthalene classified by NTP as suspected carcinogen.

SECTION 12 ECOLOGICAL INFORMATION

No data available

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

US DOT: not regulated
Canada: not regulated

SECTION 15 REGULATORY INFORMATION