

Safety Data Sheet
Nifedipine

1. Substance Identification :

Product Name : **NIFEDIPINE**
Company Name : SHARON BIO MEDICINE LTD.
PLOT NO. L-6, MIDC TALOJA,
DIST: RAIGAD, MAHARASHTRA, (INDIA)
Contact No.: (91-22) 64564200/02, Fax: 27402371
E-mail: info@sharonbio.com

2. Composition :

Synonym : Dimethyl 1,4-dihydro-2,6-dimethyl-4-(2-nitrophenyl) pyridine-3,5-dicarboxylate
Formula : $C_{17}H_{18}N_2O_6$
Molecular Wt. : 346.3
CAS number : 21829-25-4
Product Group: Calcium channel blocker.

3. Hazard(s) Identification :

Hazard class Acute toxicity, oral (Category 4)
Skin sensitization (Category 1)

Label elements



Signal word Warning!
Hazard statement H302: Harmful if swallowed
H317: May cause an allergic skin reaction

Precautionary statement
Prevention

P280: Wear protective gloves/ eye protection/ face protection
OSHA hazard(s) Harmful by ingestion, Skin sensitizer, Reproductive hazard.

Potential Health Effects

Eye : May cause eye irritation.
Skin : May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion : Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation : May cause respiratory tract irritation. May be harmful if inhaled.
Chronic : Not available.



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4. First Aid Measures :

- Eyes : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Skin : Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Ingestion : Get medical aid. Wash mouth out with water.
- Inhalation : Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

5. Fire Fighting Measures :

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

6. Accidental Release Measures :

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks : Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage :

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage : Preserve in tight, light-resistant container.

8. Exposure Control :

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment
Eyes : Wear chemical goggles.
Skin : Wear appropriate protective gloves to prevent skin exposure.
Clothing : Wear appropriate protective clothing to prevent skin exposure.
Respirators : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.



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9. Physical and Chemical Properties :

Physical State	: Powder
Color	: Yellow
Odor	: odorless
pH	: Not available.
Vapor Pressure	: Not available.
Viscosity	: Not available.
Boiling Point	: Not available.
Freezing/Melting Point	: 171 - 175 deg C
Autoignition Temperature	: Not available.
Flash Point	: Not available.
Explosion Limits, lower	: Not available.
Explosion Limits, upper	: Not available.
Solubility in water	: Insoluble.
Molecular Formula	: C ₁₇ H ₁₈ N ₂ O ₆
Molecular Weight	: 346.3

10. Stability and Reactivity :

Chemical Stability	: Stable under normal temperatures and pressures.
Conditions to Avoid	: Incompatible materials, light.
Incompatibilities with Other Materials	: Strong oxidizing agents.
Hazardous Decomposition Products	: Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization	: Will not occur.

11. Toxicological Information :

RTECS#:
CAS# 21829-25-4: US7975000
LD50/LC50:
CAS# 21829-25-4: Oral, mouse: LD50 = 202 mg/kg;
Oral, rabbit: LD50 = 504 mg/kg; Oral, rat: LD50 = 1022 mg/kg.
Carcinogenicity:
Nifedipine -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

12. Ecological Information :

Not reported.



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13. Disposal Considerations :

Dispose of in a manner consistent with federal, state, and local regulations.

14. Transport Information :

IATA
No information available.
IMO
No information available.
RID/ADR
No information available.
Not dangerous goods.

15. Regulatory Information :

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:
R 22 Harmful if swallowed.
Safety Phrases:
WGK (Water Danger/Protection)
CAS # 21829-25-4: No information available.

16. Other Information :

THIS DATA SHEET IS COMPILED TO BE OF ASSISTANCE BUT WITHOUT GUARANTEE USERS ARE RESPONSIBLE FOR SAFE WORKING.