SAFETY DATA SHEET

CHEMICAL IDENTIFICATION

Catalogue Number: N-150
Product Name: Nimodipine

COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.: 66085-59-4
Molecular Formula: $C_{21}H_{26}N_2O_7$
Molecular Weight: 418.4

HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008:
Acute toxicity, Oral (Category 4), H302, Harmful if swallowed.
Specific target organ toxicity - repeated exposure (Category 2), H373, May cause damage to organs through prolonged or repeated exposure if swallowed.

FIRST AID MEASURES

In all cases of exposure, obtain medical advice.
Inhalation: Remove to fresh air and monitor breathing. If breathing becomes difficult give oxygen. If breathing stops give artificial respiration.
Skin Contact: Wash off immediately with plenty of water while removing all contaminated clothing. Wash before reuse.
Eye Contact: Hold eyelids apart and flush eyes with plenty of water.
Ingestion: Rinse mouth with plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards: Thermal decomposition can lead to release of toxic and corrosive gases/vapors.
Special Fire-fighting Procedures: Wear self-contained breathing apparatus for firefighting and protective clothing to prevent contact with skin and eyes.

ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not take action without suitable protective clothing. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean-up methods: Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel. Keep in suitable, closed containers for disposal.

HANDLING AND STORAGE

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above -20ºC (-4ºF).
Handling: Keep away from heat. Keep away from source of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.
Engineering controls: Ensure adequate ventilation, especially in confined areas. Use in a fume hood where applicable. Ensure laboratory is equipped with a safety shower and eye wash station. General industrial hygiene practice.

Personal protective equipment:
Eye/face: Safety goggles.
Skin: Chemical resistant gloves. Wash and dry hands thoroughly after handling.
Body: Wear appropriate protective clothing. Remove and wash contaminated clothing before re-use.
Respiratory protection: NIOSH approved respirator, as conditions warrant.

PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.
Density: Not available.
Flash point: Not available.
Explosive properties: Not available.
Solubility: DMSO.

STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to Avoid: Not available.
Incompatible materials: Strong oxidizing agents.

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Hazardous Combustion or Decomposition Products: May emit toxic gases upon thermal decomposition. Carbon oxides, Nitrogen oxides (NOx).

TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 Oral - Mouse - 940 mg/kg, Rat - 2738 mg/kg.
Reproductive toxicity: TDLo Oral - Rat - 132 mg/kg (1-22D preg/22D post).
May be harmful if inhaled, swallowed or absorbed through skin. May cause eye irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

ECOLOGICAL INFORMATION

No data available.

DISPOSAL CONDITIONS

Methods of disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

TRANSPORT INFORMATION

Contact Alomone Labs company for transportation information.

REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow local and national safety legislation. The absence of warning may not, under any circumstances, be taken to mean that no hazard exists. Alomone Labs disclaims all liability for any damage resulting from use of this material.

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