Section 1 - Product and Company Information

Product Name: B-NICOTINAMIDE ADENINE DINUCLEOTIDE, REDUCED FORM DISODIUM
Brand: Sigma Chemical
Company: Sigma-Aldrich
Street Address: 3005 Spruce Street
City, State, Zip, Country: St. Louis, MO, 63103, US
Emergency Phone: 414 273 3850 Ext:5996

Section 2 - Composition/Information on Ingredient

Substance Name: B-NICOTINAMIDE ADENINE DINUCLEOTIDE, REDUCED FORM DISODIUM
CAS #: None
SAPA 313: NO
Formula
Synonyms

Section 3 - Hazards Identification

Emergency Overview
Toxic.
Toxic by inhalation, in contact with skin, and if swallowed. Irritating to eyes, respiratory system, and skin.
Target organ(s): Nervous, Eye.
For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure
In case of contact, immediately rinse skin with soap and copious amounts of water.

Eye Exposure
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A
Flammability: N/A

Extinguishing Media
Suitable
Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precautions(s)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Section 8 - Exposure Controls / PPE

Personal Protective Equipment
Other
Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

General Hygiene Measures
Wash contaminated clothing before reuse. Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance: Liquid
Physical State: Solid
Molecular Weight: N/A

Property
Value
pH: N/A
BP/BP Range: N/A
M/P/M Range: N/A
Freezing Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Saturated Vapor Conc.: N/A
SG/Density: N/A
Bulk Density: N/A
Odor Threshold: N/A
Vapor %: N/A
VOC Content: N/A
Water Content: N/A
Solvent Content: N/A
Evaporation Rate: N/A
Viscosity: N/A
Partition Coefficient: N/A
Decomposition Temp.: N/A
Section 10 - Stability and Reactivity

Stability: Stable. 

Hazards to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Phosphorous oxides.

Section 11 - Toxicological Information

Route of Exposure: 
Inhalation: Material is irritating to mucous membranes and upper respiratory tract.

Target Organ(s) or System(s): Damage to the eyes. Damage to the liver. Damage to the heart. Damage to the kidneys. Nerves. Liver. Eyes. Kidneys.

Signs and Symptoms of Exposure: 
Exposure can cause: CNS depression. Gastrointestinal disturbances. Narcotic effect. 
Damage to the eyes. Damage to the liver. Damage to the heart. Damage to the kidneys. May cause convulsions.

Conditions Aggravated by Exposure: 
The toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation: 
Dispose of the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT: 
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: 
Proper Shipping Name: None
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

US Classification and Label Text: 
Indication of Danger: 
Toxic.

Risk Statements: 
Toxic by inhalation, in contact with skin, and if swallowed. Irritating to eye, respiratory system, and skin.

Safety Statements: 
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing. Do not breathe dust.

US Statements: 
Target organ(s): Nerves. Eyes.

United States Regulatory Information: 
SARA 313 Listed: No

Notes: This product is subject to SARA section 313 reporting requirements.

Section 16 - Other Information

Warranty: 
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma-Aldrich, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 1999 Sigma-Aldrich Corp. License granted to make unlimited paper copies for internal use only.