



**MATERIAL SAFETY DATA SHEET (MSDS)**

**Product No. NADP**

**IDENTIFICATION:**  $\beta$ -Nicotinamide Adenine Dicleotide Phosphate, Sodium

CAS #: 1184-16-3  
EC NO: 214-664-6  
FORMULA:  $C_{21}H_{27}N_7NaO_7P_3$   
Contains acetone, CAS 67-64-1

**TOXICITY HAZARDS**

**IRRITANT:** to eyes, respiratory system, and skin. May cause dermatitis. Wear suitable protective equipment and clothing

**TARGET ORGANS:** Liver, kidneys.

**HEALTH HAZARD DATA**

**ACUTE EFFECTS**

Possibly harmful by inhalation, ingestion, or skin absorption, May cause irritation, induce allergic sensitization, or cause allergic reactions in sensitized individuals. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**FIRST-AID MEASURES**

If swallowed, wash out mouth with water, provided person is conscious. Drink water. Call physician if symptoms occur.

Skin or eye contact: flush with copious amounts of water for at least 15 minutes. Call physician if symptoms occur. Wash contamination clothing before re-use.

Inhalation:, remove to fresh air. If breathing becomes difficult, call a physician.

**PHYSICAL & CHEMICAL PROPERTIES:**

**SOLID**

**MELTING POINT: 175 - 178° C**

**FIRE, EXPLOSION HAZARD & REACTIVITY DATA**

Emits toxic fumes under fire conditions. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

No unusual reactivity or explosion hazards; incompatible with strong oxidizing agents.

**HANDLING AND STORAGE PRECAUTIONS**

Chemical safety goggles.

Wash thoroughly after handling

Store at the temperature indicated on the label in sealed container.

**ECOLOGICAL AND DISPOSAL INFORMATION**

No ecological data available, except that substance is readily biodegradable. No special disposal method required, except that in accordance with local authority regulations.

**TRANSPORT INFORMATION** No special requirements. Not regulated.

**REGULATORY INFORMATION**

Labeling: Xn (harmful)

R-42: May cause sensitization by inhalation.

S-23: Do not breathe powder.

05-2011