



音芙医药科技(上海)有限公司

Material Safety Data Sheet Date Written: 2020-06-06

Section 1 - Product and Company Identification

1.1 Product Name Beta-nicotinamide monocleotide

1.2 Synonyms Nicotinamide ribonucleoside 5'-phosphate, β-Nicotinamide

ribose monophosphate, Nicotinamide ribotide, β-NMN,

Nicotinamide monocleotide

1.3 Company EffePharm (Shanghai) Co., Ltd

Website www.uthever.com

Address No.1 Mid Wangdong Rd, Songjiang District, Shanghai, 201601,

China

E-mail info@effepharm.com
1.4 Emergency Tel. +86-21-57709202

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

Physical hazards Not classified
Health hazards Not classified
Environmental hazards Not classified

2.2 Label elements

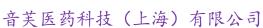
GHS Signal Word None

GHS Hazard Phrases Based on evaluation of currently available data this

substance or mixture is not classifiable according to GHS.

GHS Precaution Phrases: No phrases apply.
GHS Response Phrases: No phrases apply.







Section 3 Composition, Information on Ingredients

CAS# 1094-61-7

Formula C11H15N2O8P

Molecular Weight 334.219 g/mol

Concentration 100% EC Number 214-136-5

Section 4 – First Aid Measures

4.1 Description of first aid measures

General information Get medical advice/attention if you feel unwell.

Inhalation Remove person to fresh air and keep comfortable for breathing. If

breathing stops, provide artificial respiration. When breathing is

difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if

symptoms are severe or persist.

Ingestion Do not induce vomiting. Never give anything by mouth to an

unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if symptoms

are severe or persist.

Skin contact Remove contaminated clothing. Rinse with water. Continue to

rinse for at least 15 minutes. Wash contaminated clothing before

reuse. Get medical attention if symptoms are severe or persist.

Eye contact Rinse immediately with plenty of water. Continue to rinse for at

least 15 minutes. Get medical attention if symptoms are severe or

persist.

Other Remove and wash/dispose of contaminated clothing promptly.

4.2 Most important symptoms and effects, both acute and delayed

General information See Section 11 for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed





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Section 5 – Handling and Storage

5.1 Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

5.2 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Section 6 – Exposure Controls/Personal Protection

6.1 Control parameters

Occupational exposure limits

No exposure limits known for ingredient(s).

6.2 Appropriate engineering controls

General industrial hygiene practice

6.3 Personal protection

Appropriate engineering Provide adequate ventilation. Observe any occupational exposure limits for

controls the product or ingredients.

Eye/face protection Unless the assessment indicates a higher degree of protection is required, the

following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with NIOSH

(US) or EN 166(EU).

Hand protection Wear protective gloves. To protect hands from chemicals, gloves should

comply with European Standard EN374.

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a

full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government

standards such as NIOSH (US) or CEN (EU).

Other skin and body

protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Section 7 – Fire Fighting Measures

EF

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7.1 Suitable extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

7.2 Special hazards arising from the substance or mixture

Specific hazards None known

Hazardous combustion Thermal decomposition or combustion products may include the

products following substances: Oxides of carbon. Oxides of nitrogen. Oxides of

phosphorus.

7.3 Advice for firefighters

Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA)

for firefighters and appropriate protective clothing. Firefighter's clothing conforming

to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

Use protective equipment appropriate for surrounding materials.

Section 8 – Physical and Chemical Properties

8.1 Information on basic physical and chemical properties

Appearance White powder

Odor Slight characteristic odor

pH No data available Melting point 165 - 175 °C

Boiling point No data available Flash point No data available Evaporation rate Flammability (solid, gas) No data available Upper/lower flammability or explosive limits No data available Vapour pressure No data available Vapour density No data available Relative density No data available Solubility(ies) Soluble in water **Partition coefficient** No data available No data available **Auto-ignition temperature Decomposition Temperature** No data available

Viscosity

No data available





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Explosive properties No data available
Oxidising properties No data available

8.2 Other information

Molecular weight 334.22

Section 9 – Accidental Release Measures

Protective Precautions, Protective Equipment Avoid raising and breathing dust, and provide

and Emergency Procedures adequate ventilation.

As conditions warrant, wear a NIOSH approved self-

contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots,

safety goggles, and heavy rubber gloves).

Environmental Precautions Take steps to avoid release into the environment, if

safe to do so.

Methods and Material For Containment and

Cleaning Up

Contain spill and collect, as appropriate.

Transfer to a chemical waste container for disposal

in accordance with local regulations.

Section 10 – Stability and Reactivity

Reactivity No data available.

Stability Stable

Stability Note(s) Stable if stored in accordance with information

listed on the product insert.

Polymerization Will not occur

Conditions To Avoid No data available.

Incompatibility – Materials to avoid strong oxidizing agents

Hazardous Decomposition or Byproducts carbon dioxide, carbon monoxide, nitrogen oxides,

phosphorous oxides

Section 11 – Toxicological Information

Acute toxicity No data available.

Respiratory or skin sensitization No data available.





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Germ cell mutagenicity No data available.

Carcinogenicity IARC: No component of this product presents at

levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

by IARC.

Reproductive toxicity

Specific target organ toxicity - single

Specific target organ toxicity - repeated

Aspiration hazard

No data available.

No data available.

Section 12 – Ecological Information

Toxicity: Avoid release into the environment. Runoff from

fire control or dilution water may cause pollution.

Persistence and Degradability:

Bioaccumulative Potential:

Mobility in Soil:

Results of PBT and vPvB assessment:

Other adverse effects:

No data available.

No data available.

Section 13 – Disposal Considerations

13.1 Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose in accordance with local, state, and federal regulations.

13.2 Contaminated packaging

Dispose of as unused product.

Section 14 – Transport Information

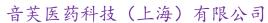
14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class: UN/NA Number:

14.2 LAND TRANSPORT (European ADR/RID):







ADR/RID Shipping Name:	Not dangerous goods.
UN Number:	

Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

14.4 Additional Transport Information:

Transport in accordance with local, state, and federal regulations.

Section 15 – Regulatory Information

No data available.

Section 16 – Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. User should make their own investigations to determine the suitability of the information for their particular purposes.