



TECHNICAL DATA SHEET

Date: 09/11/2023

International Non Proprietary Name (INN) or Generic Name: Riboflavin 5'- Phosphate Sodium.

Product name: Riboflavin 5'- Phosphate Sodium.

Chemical Composition: Riboflavin

API INFORMATION:

- **Chemical Name:** Riboflavin 5'-(dihydrogen phosphate), monosodium salt, dehydrate.
- **Molecular Formula:** $C_{17}H_{20}N_4NaO_9P$
- **Molecular Weight:** 478.33 g/mol.
- **Chiral (Yes/No) :** No
- **Shows Polymorphism (Yes/No) :** No

CAS Number: 130-40-5

Appearance: Fine orange-yellow crystalline powder having slightly odor. Is hygroscopic.

Melting Range: 290°C

Bulk density: Additional test as per customer requirement.

Therapeutic Use: Vitamin B₂

Hazard Details: Refer attached MSDS.



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Usage:

- ❖ Riboflavin phosphate sodium can be used for the research of progressive keratoconus, corneal ectasia and irregular astigmatism.
- ❖ Riboflavin phosphate sodium (FMN-Na) is a derivative of Riboflavin (vitamin B2) which is an essential nutrient for animals.
- ❖ Riboflavin phosphate sodium is a very effective NAD⁺ -recycling agent.

Storage: USP: Preserve in tight, light resistant containers.

BP/EP: In airtight container, protected from light.

IP: Store protected from light & Moisture.

JP: Store in light resistant & tightly closed containers.

Provide Manufacturing Flowchart: Refer attached process flow chart.

For Supriya Lifescience Limited,

Heramb Mengade
09/11/2023

Authorized Signatory

Mr. Heramb Mengade
Manager - QA



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