



## SAFETY DATA SHEET

### 1. IDENTIFICATION

Product Identifier/Name: **Riboflavin Sodium Phosphate**

CHEMICAL NAMES: Riboflavin-5'-phosphate sodium; Riboflavin Sodium Phosphate

DESCRIPTION : Yellow or orange yellow crystalline powder; almost odorless and taste slightly bitter; being wet-ejection, dissolves in water easily, but slightly in ethanol and hardly dissolves in chloroform and/or in ether.

MANUFACTURER: ACROSS BIOTECH JINAN CO., LTD  
Shanda Rd 160, Lixia distric, Jinan, China  
TEL: 86-531-68652497  
Email: sales@acrossbiotech.com

Used for Nutritional Supplement for humans. Food additive.

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW - IMMEDIATE HAZARD

TO THE BEST OF THE MANUFACTURER'S KNOWLEDGE, THERE ARE EITHER NO HEALTH HAZARDS ASSOCIATED WITH THIS MATERIAL OR THE HEALTH HAZARDS HAVE NOT BEEN ADEQUATELY DETERMINED.

#### EMERGENCY OVERVIEW - CHRONIC HAZARD WARNING

No information available.

### POTENTIAL HEALTH EFFECTS

#### INHALATION

No information available.

#### INGESTION

No information available.

#### SKIN

No information available.

#### EYES

No information available.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

#### INHALATION

No information available.

#### INGESTION



No information available.

**SKIN**

No information available.

**EYES**

No information available.

**CARCINOGENICITY**

No information available.

**MUTAGENICITY**

No information available.

**REPRODUCTIVE TOXICITY**

No information available.

**TERATOGENIC EFFECTS**

No information available.

**ROUTES OF ENTRY**

No information available.

**TARGET ORGAN STATEMENT**

No information available.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Component</b>	<b>Cas#</b>	<b>TLV(unites)</b>
<b>Riboflavin 5 Phosphate Sodium</b>	<b>130-40-5</b>	<b>N.A.</b>

### 4. FIRST AID MEASURES

**INHALATION:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**INGESTION:**

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

**SKIN:**

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**EYES:**

Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

FLASH POINT : N.A.

FLAMMABLE LIMITS: N.A.



FLASH POINT METHOD: N.A.

AUTOIGNITION TEMPERATURE: N.A.

#### EXTINGUISHING MEDIA

Use media appropriate to the primary cause of fire.

#### PROTECTIVE EQUIPMENT

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full aiece operated in the pressure demand or other positive pressure mode.

#### HAZARDOUS COMBUSTION PRODUCTS:

Toxic gases may be involved in fires of this product.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

Not considered a fire or explosion hazard. Non-flammable.

NFPA CODES: N.A    Health: N.A    Flammability: N.A.    Reactivity: N.A.

## 6. ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Pick up mechanically.

#### WASTE DISPOSAL METHOD

Disposal must be made in accordance with applicable federal, state, and local regulations.

#### PERSONAL PRECAUTIONS

Wear appropriate protective equipment as specified in section 8.

## 7. HANDLING AND STORAGE

#### HANDLING

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

#### STORAGE

Keep in a tightly closed container, stored in a cooled, dry, ventilated area.

STORAGE TEMPERATURE: Room Temperature

#### DISPOSAL

Observe all national, state, and local regulations regarding disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### AIRBORNE EXPOSURE LIMITS:

Component: Riboflavin 5 Phosphate Sodium

ACGIH Threshold Limit Value (TLV): N.A.

OSHA Permissible Exposure Limit (PEL):N.A.

#### ENGINEERING CONTROLS

Not expected to require any special ventilation.

#### RESPIRATORY PROTECTION

Not expected to require personal respirator usage.



#### EYE PROTECTION

Safety glasses.

#### SKIN PROTECTION

Wear protective gloves and clean body covering clothing.

#### OTHER CONTROL MEASURES:

There is insufficient data in the published literature to assign complete numerical safety ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling.

### 9. PHYSICAL PROPERTIES

Boiling Point	no data	Evaporation Rate	no data
Melting Point	no data	Solubility in Water	112 mg/ml at pH 6.9
Vapor Pressure	no data	pH	no data
Vapor Density <i>mm Hg</i>	no data	Specific Gravity <i>(H<sub>2</sub>O = 1)</i>	no data
% Volatile by Volume Air = 1	0		

### 10. STABILITY AND REACTIVITY

#### STABILITY

Stable under normal conditions of storage and use.

#### CONDITIONS TO AVOID

Protect from light.

#### HAZARDOUS DECOMPOSITION PRODUCTS

No information available.

#### HAZARDOUS POLYMERIZATION

Will not occur

#### INCOMPATIBLES

No information available.

### 11. TOXICOLOGICAL INFORMATION

#### PRODUCT LD50 VALUES

Riboflavin-5-Phosphate Sodium Oral Rat LD50 (mg/kg): N.A.

Riboflavin-5-Phosphate Sodium Dermal Rabbit LD50 (mg/kg): N.A.

#### COMPONENT CANCER LIST STATUS

NTP Carcinogen

Component	Known	Anticipated	IARC Category
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Riboflavin 5 Phosphate Sodium      No                              No                              None

## 12. ECOLOGICAL INFORMATION

No information available.

## 13. DISPOSAL CONSIDERATIONS

Observe all national, state, and local regulations regarding disposal.

## 14. TRANSPORT INFORMATION

Declaration (railroad and road) ADR/RID: No dangerous Good.  
Declaration (transport by sea) IMDG-Code: No dangerous Good.  
Declaration (transport by air) IATA/DGR: No dangerous Good

## 15. REGULATORY INFORMATION

### UNITED STATES

All intentional ingredients are listed on the TSCA Inventory.

SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute	Chronic
Riboflavin 5 Phosphate Sodium	N.A.	N.A.	N.A.	N.A.	N.A.

### EUROPE

All intentional ingredients are listed on the European EINECS Inventory.  
EEC Regulatory:

## 16. OTHER INFORMATION

NFPA CODES:      Health: N.A.      Flammability: N.A.      Reactivity: N.A.

**MANUFACTURER DISCLAIMER:** *The information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.*