



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Vitamin B2 (Riboflavin)

Contact Information:

Company: Aurora Industry Co.,Ltd.

Address: Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

Tel: 0411-82288674

**Vitamin B2 (Riboflavin)**

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

**Cas Number:** 83-88-5

**Synonyms:** 7,8-Dimethyl-10-Ribitylisoalloxazine; Lactoflavin; Riboflavin; Vitamin B2;

Vitamin B\_2

**Molecular Weight:** 376.36

**Chemical Formula:** C<sub>17</sub>H<sub>20</sub>N<sub>4</sub>O<sub>6</sub>

### SECTION 3 - HAZARDS IDENTIFICATION

#### \* Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

= **Health Rating:** 1 - Slight

= **Flammability Rating:** 1 - Slight

= **Reactivity Rating:** 1 - Slight

= **Contact Rating:** 1 - Slight

= **Lab Protective Equip:** GOGGLES; LAB COAT

#### \* Potential Health Effects

= **Inhalation:** No information found.

= **Ingestion:** No information found.

= **Skin Contact:** No information found.

= **Eye Contact:** No information found.

= **Chronic Exposure:** No information found.

= **Aggravation of Pre-existing Conditions:** No information found.

### SECTION 4 - FIRST AID MEASURES

= **Inhalation:**



If a person breathes in large amounts, move the exposed person to fresh air.

**= Ingestion:**

If large amounts were swallowed, give water to drink and get medical advice.

**= Skin Contact:**

In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

**= Eye Contact:**

In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

## **SECTION 5 - FIRE FIGHTING MEASURES**

**= Fire:**

Not expected to be a fire hazard.

**= Explosion:**

No information found.

**= Fire Extinguishing Media:**

Use extinguishing media appropriate for surrounding fire.

**= Special Information:**

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Wear suitable protective clothing. Carefully sweep up and remove.

## **SECTION 7 - HANDLING and STORAGE**

Keep container tightly closed. Suitable for any general chemical storage area.

Containers of

this material may be hazardous when empty since they retain product residues (dust, solids);

observe all warnings and precautions listed for the product.

## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**= Airborne Exposure Limits:**

None established.

**= Ventilation System:**

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**= Personal Respirators (NIOSH Approved):**

For conditions of use where exposure to the substance is apparent, consult an industrial



hygienist. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

**= Skin Protection:**

Wear protective gloves and clean body-covering clothing.

**= Eye Protection:**

Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Yellow to Yellow Orange Crystalline Powder.

Solubility: Soluble in water and practically;

Melting Point: With Decomposition At About 290°C ~ 291°C

Heavy Metals(Pb): 10ppm Max

Assay: 98.0%-----102.0% on dried basis

**SECTION 10 - STABILITY AND REACTIVITY**

**= Stability:**

Stable under ordinary conditions of use and storage.

**= Hazardous Decomposition Products:**

Oxides of nitrogen, ammonia, carbon monoxide, carbon dioxide.

**= Hazardous Polymerization:**

Will not occur.

**= Incompatibilities:**

No information found.

**= Conditions to Avoid:**

No information found.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Cancer Lists**

**= Ingredient:**

Riboflavin (83-88-5)

**= NTP Carcinogen:**

Known: No

Anticipated: No

**= IARC Category:**

None



## **SECTION 12 - ECOLOGICAL INFORMATION**

### **= Environmental Fate:**

No information found.

### **= Environmental Toxicity:**

No information found.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## **SECTION 14 - TRANSPORT INFORMATION**

Not regulated.

## **SECTION 15 - REGULATORY INFORMATION**

Not Available

## **SECTION 16 - ADDITIONAL INFORMATION**

Created Date: 07/06/2020 10:50 PM

### **= Label Hazard Warning:**

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

### **= Label Precautions:**

During use avoid contact with eyes, skin, clothing. Wash thoroughly after handling. When not in use keep in tightly closed container.

### **= Label First Aid:**

Not applicable.

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. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.