

MATERIAL SAFETY DATA SHEET

VITAMIN B2

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Vitamin B2
Synonyms: Riboflavin; Lactoflavin

Company Identification: **RAWPHARMA BIZ PVT LTD**
1101-CITY CENTRE-2
SCIENCE CITY ROAD, SOLA
AHMEDABAD, 380060
GUJARAT, INDIA.

Tel: **8320310672**
Website: www.rawpharmabiz.com

2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name:	%	EINECS#
83-88-5	Riboflavin	98%	201-507-1

3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Light sensitive.

Potential Health Effects

Eye: Non-irritating to the eyes.
Skin: Non-irritating to the skin.
Ingestion: May cause irritation of the digestive tract.
Inhalation: May cause respiratory tract irritation.
Chronic:

4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately.
Notes to Physician:

Antidote:

5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Sweep up, then place into a suitable container for disposal.

7 – HANDLING AND STORAGE

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage: Store in a cool, dry place. Store in a tightly closed container.

8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder
Molecular Formula: C₁₇H₂₀N₄O₆
Molecular Weight: 376.36

10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, light.
Incompatibilities with Other Materials: Strong oxidizing agents, reducing agents, bases.
Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, carbon dioxide.
Hazardous Polymerization: Will not occur.

11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 83-88-5: VJ1400000
LD50/LC50: RTECS: CAS# 83-88-5: Oral, rat: LD50 = >10 gm/kg
Other: Skin, rabbit: LD50 = >5 gm/kg Inhalation, rat: LC50 = >5.4 mg/l/4H
Carcinogenicity: Riboflavin - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.
Mutagenicity: Ames-test: negative.

12 - ECOLOGICAL INFORMATION

Ecotoxicity: Daphnia: EC50: >47.4 mg/l; 48H;
Bacteria: Pseudomonas putida: EC50: >10000 mg/l; 0.5H
Other: Readily biodegradable. Biodegradation: 100% / 28dlog
Pow: -1.46

13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14 - TRANSPORT INFORMATION

	IATA	IMO	RID/ADR
Shipping Name:	Not available	Not available	Not available
Hazard Class:			
UN Number:			

Packing Group:

15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available Risk

Phrases:

Safety Phrases: S 24/25 Avoid contact with skin and eyes. WGK

(Water Danger/Protection) CAS# 83-88-5: Not available

Canada CAS# 83-88-5 is listed on Canada's DSL List

US Federal

TSCA CAS# 83-88-5 is listed on the TSCA Inventory.

16 - ADDITIONAL INFORMATION

RAWPHARMA BIZ PVT LTD provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.