

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington, IN 47404**

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

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**SECTION 1: IDENTIFICATION**

**Effective Date:** 12/17/96  
**Product Name:** Riboflavin  
**Common Name:** Vitamin B2

**Chemical Formula:** C<sub>17</sub>H<sub>2</sub>ON<sub>4</sub>O<sub>6</sub>  
**CAS No.:** 83-88-5

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**SECTION 2: HAZARDOUS INGREDIENTS:**

None.

**Potential Acute Health Effects:**

Slightly dangerous to dangerous in case of ingestion.  
Very slightly to slightly dangerous in case of skin  
contact (irritant), of eye contact (irritant), of  
inhalation

**Potential Chronic Health Effects:**

No known effect.

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**SECTION 3: PHYSICAL DATA**

**Physical Data:**

Appearance and Odor:	solid
Boiling point:(760 mm Hg)	not available
Vapor Pressure (mmHg):	not available
Specific Gravity (Water=1):	not available
Solubility in water:(by weight)	very slightly soluble in cold water
Melting Point:	decomposes (280 C or 536 F)
Volatility:	not available
Vapor Density:	not available

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**SECTION 4: FIRE AND EXPLOSION DATA**

**Fire and Explosion Information:**

Flash point:	not available
Flammable limit:	not available
Extinguishing Media:	small fire - use dry chemicals, CO <sub>2</sub> , water spray or foam; large fire - use water spray, fog or foam. Do not use water jet.
Unusual Fire and Explosion Hazards:	None

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**SECTION 5: REACTIVITY DATA**

**Reactivity Data:**

Stable     X     Unstable                     

**Conditions to Avoid:**

none

**Incompatibilities:**

no info available

**Products of biodegradation:**

carbon oxides & nitrogen oxides - these are more toxic

**Hazardous Polymerization:**

no

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**SECTION 6: HEALTH HAZARD DATA**

**Threshold Limit Value (TLV):** none available  
**Permissible Exposure Limit:** not available  
**Toxicity:**  
**Oral LD50 (rat):** not available

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

<b>First Aid:</b>	<b>Eyes:</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
	<b>Skin:</b>	If chemical gets onto clothed portion of body, remove contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and the contaminated skin with running non-abrasive soap. Be particularly folds, crevices, creases and groin. irritated skin with an emollient. If persists, seek medical attention. Wash contaminated clothing before reusing.
thoroughly wash water and careful clean Cover the irritations	<b>Inhalation:</b>	Allow victim to rest in a well ventilated area. Seek immediate medical attention.
	<b>Ingestion:</b>	Remove dentures if any. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower head to vomit will not reenter mouth and throat. Never give unconscious person anything to ingest. Seek medical attention.
<b>Spillage:</b>		small spill - Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose according to local and regional authority requirements. large spill - Use shovel to put material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
of the	<b>Disposal:</b>	Recycle to process, if possible. Consult your local or regional authorities.

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**SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING**

**Other Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust

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**SECTION 9: SPECIAL PROTECTION INFORMATION**

**Ventilation:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If use operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below exposure limit.

**Eye Protection:** safety glasses

**Protective Gloves:**

**Respiratory Protection:**

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**SECTION 10: TRANSPORT INFORMATION**

**DOT classification:** not a DOT controlled material

**DOT pictogram:** none