

Safety Data Sheet


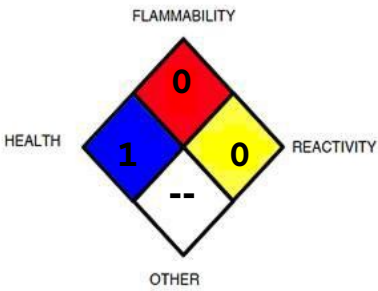
Section 1: Product & Company Identification

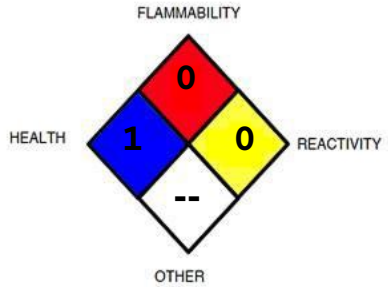
Product Name:	Rifampicin
Product #:	R-2639
Synonyms:	Rifampin; Rifamycin AMP; 3-(4-Methylpiperazinyloxy)methylrifamycin SV
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Rifampicin	13292-46-1	236-312-0	> 95

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p>FLAMMABILITY</p>  <p>HEALTH REACTIVITY</p> <p>OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	Consult a physician if symptoms are severe or persistent. Provide this data sheet to medical personnel. If product is spilled or leaked, evacuate area.
Inhalation:	If inhaled, move person to fresh air and monitor breathing. If not breathing, give artificial ventilation. Consult a physician if symptoms are severe or persistent.
Skin:	Immediately wash with excess soap and water. If spilled on clothing, remove all affected clothing. Consult a physician if symptoms are severe or persistent.
Eyes:	Flush eyes with water or eye wash solution as a precaution for 15 minutes. Consult a physician if symptoms are severe or persistent.
Ingestion:	Only induce vomiting if recommended by medical personnel. If subject is unconscious, do not give anything by mouth. If conscious, rinse mouth with water. Consult a physician if symptoms are severe or persistent.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	No data available
Extinguishing Media:	Water spray, alcohol-resistant foam, dry chemical, and carbon dioxide extinguishers are suitable.
Hazardous thermal (de)composition products:	Carbon oxides and nitrogen oxides (NO _x) can form if fire occurs.
Special Fire Fighting Procedures:	Wear protective gear, such as self-contained breathing apparatus, if necessary.
Flash Point:	No data available

Section 6: Accidental Release Measures




Personal Precautions:	Provide suitable ventilation. Use any necessary personal protective equipment. Avoid contact with skin and eyes and avoid creation and inhalation of vapor or dust. Keep all unnecessary personnel away.
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Environmental Precautions:	Prevent product from entering public sewers and waterways.
Methods for Clean-up:	Sweep up any spilled product. Keep in suitable, closed containers for disposal.

SECTION 7: Handling & Storage

Storage:	Store upright, closed container in arid, ventilated environment. Storage temperature: -20°C. Sensitive to light and moisture.
Handling:	Provide suitable ventilation. Wear any necessary personal protective equipment.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>Use only approved respirators and components which comply with CDC and NIOSH (US) or CEN (EU) regulations. Required only when vapors or aerosols are created.</p>
Skin and Body:	  <p>Use gloves when handling product. Inspect gloves before use to ensure suitability for use. Remove without exposing skin to the gloves outer surface. Discard used gloves according to all pertinent laws and/or current good practices (cGXP). Wash hands with soap and water.</p> <p>Wear appropriate clothing. Ensure clothing is in good condition, with no holes or tears. When selecting clothing, consider the concentration and amount of substance to be handled.</p>
Eyes:	

	 <p>Use only government-approved safety glasses with side-shields.</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	This product is not known to contain any substances with occupational exposure limit values.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Red solid
Formula	C ₄₃ H ₅₈ N ₄ O ₁₂
Molecular Wt.	822.94
Melting Pt.	194°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	Dimethylformamide and alcohol
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Carbon oxides and nitrogen oxides (NO _x) can form if fire occurs.
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	Avoid exposing the product to moisture or light

SECTION 11: Toxicological Information

RTECS#:	VJ7000000
ACUTE Toxicity:	LD50 Oral = 1,570 mg/kg (Rat)

CHRONIC Toxicity:	No data available
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>

SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	Exposure to and/or consumption of alcohol may increase toxic effects. Liver - Irregularities - Based on Human Evidence.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult and adhere to local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
Contaminated Packaging:	Packaging should be disposed of in the same manner as unused product.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated

Special Provisions:	N/A
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SECTION 15: Regulatory Information

Health Phrases:	H302 - Harmful if swallowed.
Risk Phrases:	P264 - Wash skin thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P301+312+330 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. P501 - Dispose of contents/container to an approved waste disposal plant
Safety Phrases:	N/A
EU Regulations:	N/A
US Regulations:	TSCA: California Proposition 65: WARNING - This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: Rifampicin (CAS 13292-46-1) New Jersey State Right to Know: Listed Pennsylvania State Right to Know: Listed
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard, Chronic Health Hazard SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: Acute Toxicity (Cat. 4)
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*