

Magnesium Ribbon, 99.95% Pure, 25 g Roll

User Guidelines

Consumable

Intended use

High-purity magnesium ribbon for laboratory and educational use, such as combustion demonstrations, metal reactivity experiments and organic synthesis.

Intended users

Chemistry teachers, laboratory staff and researchers; students may handle it only under supervision.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- Magnesium burns with an extremely hot, bright flame that emits intense UV light; do not look directly at burning magnesium without suitable UV-filtering eye protection.
- Never hold burning ribbon with fingers; use crucible tongs over a heat-resistant surface.
- Do not use water, CO₂ or foam extinguishers on a magnesium fire; smother with dry sand or use a Class D extinguisher.
- Keep dry sand or a Class D extinguisher ready before any combustion demonstration.
- Keep away from acids, oxidizers and moisture except during a controlled experiment.
- Students may handle magnesium ribbon only under teacher supervision.
- Follow your school or laboratory chemical safety rules and the supplier's SDS.

2. Specifications

Purity	99.95% Mg
CAS number	7439-95-4
Format	Continuous ribbon roll
Roll weight	Approx. 25 g
Roll length	Approx. 70 ft (21.3 m)
Width	4 mm
Thickness	0.2 mm
Pack size	Varies by variant: 1, 5, 10 or 100 rolls

3. Operation

Using the ribbon

- 1 Wear safety glasses or goggles, and a lab coat.
- 2 Cut only the length needed with scissors or snips; reseal the remaining roll.
- 3 If the surface is dull, clean it lightly with fine abrasive paper before use.
- 4 Handle cut pieces with tongs for any heating or burning.
- 5 Allow all residues to cool fully before handling or disposal.

4. Cleaning and disinfection

- Wipe tools and benches after use to remove magnesium fragments and oxide powder.
- Do not let small magnesium pieces collect in sinks or general waste bins.

5. Maintenance and storage

- Store in a dry, sealed container away from moisture, acids and oxidizers.
- Store away from heat sources and open flames.

- Keep out of reach of students and unauthorized persons.
- Ribbon with a dull grey or powdery surface has oxidized and may not ignite reliably; replace it.

6. Disposal

- Dispose of unused magnesium metal according to your laboratory's chemical waste procedures and local regulations.
- Cooled magnesium oxide residue from combustion should be disposed of according to your laboratory's waste procedures.

7. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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