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Product Name :

Magnesium Ribbon

Product Code :

SLE/CH/82



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Description :

Magnesium Ribbon (Product Code: SLE/CH/82) is a thin strip of magnesium metal, 0.03 mm (0.0012 in) thick, used for combustion experiments and to demonstrate the principles of chemical change. When a short piece is lit it burns with a dazzling white flame and leaves a white powder that is clearly a new substance — the classic opening experiment for chemical reactions in secondary science. It is a flammable solid and is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory chemicals supplier in India, alongside the other lab chemicals and consumables schools order from us.

Specifications

Parameter	Detail
Material	Magnesium metal, ribbon form
Thickness	0.03 mm (0.0012 in)
Hazard classification	Flammable solid
Uses	Combustion experiments; demonstrating chemical changes
Pack length / weight	Confirmed on enquiry

Typical Use

In the standard practical, students clean a few centimetres of ribbon with sandpaper to remove the dull oxide coating, grip it with crucible tongs and hold it in a Bunsen flame. It ignites and burns brightly, forming magnesium oxide; dissolving that ash in a little water and testing it with red litmus shows the oxide of a metal is basic. The same ribbon is used to compare the reactivity of metals with dilute acids, where the fizzing of hydrogen gives a visible sign of reaction.

Safety matters with this flammable solid: tell students not to stare directly at the burning metal, carry out burning over a heat-resistant mat, and wear safety goggles. Never try to put out burning magnesium with water — let it burn out or smother it with dry sand. Store the ribbon in a closed container, in a cool dry place away from open flames and oxidising chemicals.

Supplier

Magnesium Ribbon is supplied by **Jain Scientific Equipments Private Limited**, trading as **ScienceLab**, based in Ambala, Haryana, India. Alongside its own apparatus, the company provides chemicals and consumables for school and college laboratories; see the company profile .

Related Chemistry Lab Equipment

What you need to run the magnesium burning experiment safely:

- Crucible Tong — holds the ribbon at a safe distance while it burns
- Bunsen Burner — provides the flame to ignite the ribbon
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Find

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