

Safety Data Sheet

Section 1: Identification

Product Identifier: Magnesium
Common Name: Magnesium Ribbon
Recommended Use: 25gm reel for Educational, demonstration purposes only
Restrictions of Use: To be used under supervision of qualified science teacher
User must ascertain suitability of the product before use.

Importer Name:
Technos Pty Ltd
71 McClure Street
Thornbury Vic Australia
Tel: 61 3 94972555

Section 2: Hazards Identification

Hazard Classification: Flammable solids – H228. Self-heating substances: H225 Category 1.
Substances and mixtures which, in contact with water, emit flammable gases: H261 Category 2.
Risk Phrase: R11, R15



Section 3: Composition / information on ingredients

CAS : 7439-95-4 SOLID

Section 4: First Aid Measures

Inhalation: Remove from exposure. Keep warm and at rest. Seek medical attention in severe cases.
Ingestion: Rinse mouth thoroughly with water and seek medical attention. Do not induce vomiting.
Eye: Flush eyes with water for at least 15 minutes – lifting both upper and lower eye lid. Seek medical attention.
Skin: Wipe off skin. Remove contaminated clothing and wash affected area using water and soap.
Call poisons information centre 131126.

Section 5: Fire Fighting Measures

Emits toxic fumes under fire conditions.

DO NOT USE WATER OR FOAM.

Small fires: use dry chemical, soda ash, lime or sand. If safe to do so, move undamaged containers from fire areas.

Large fires: Use DRY sand, dry chemical, soda ash or lime or withdraw and let fire burn.

Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside the containers.

Sensitivity to Impact: Non-flammable in presence of shocks.

Product flammable substances on contact with water. May ignite on contact with water or moist air.

May react vigorously or explosively on contact with water. May be ignited by heat, sparks or flame.

May re-ignite after fire is extinguished. Some are kept in or under flammable liquids. Fire will

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produce irritation poisonous and or corrosive gases. Containers may explode when heated. Runoff may create multiple fire or explosion hazard.

Hazchem code: 4(y)

Sensitivity to Static Discharge: Highly flammable in presence of open flames and sparks of heat.

Precautions in connection with Fire: Wear SCBA and chemical splat suit, structural firefighters uniform ya provide limited protection.

Unsuitable extinguishing media: Water, foam and carbon dioxide.

Section 6: Accidental Release Measures

Dispose of any broken glass or packaging properly (wearing hand protection). Remove all ignition sources. Do not touch spilled material. Stop spill/leak if safe to do so. Cover with dry sand or other non-combustible material. Also cover with plastic. Do not use WATER.

Section 7: Handling and Storage

Store and keep away from heat or sources of ignition. Store away from oxidizing agents. Keep containers closed. Store at room temperature. Keep dry and protect from sunlight. Refer: Australian Standards 5026-2012 – storage and handling of class 4 dangerous goods.

Section: 8 Exposure Control/ Personal protection

Use in area with normal ventilation. Never use in a confined space. Wear Safety Glasses with using this product. Observe normal safety and laboratory operating procedures. Maintain the concentration values below the TWA. Respiratory protection: usually not required. Eye Protection: Use safety shield or glasses. Hand protection: Use gloves. *All protective equipment should comply with Australian standards.

Section: 9 Physical and chemical properties

Physical State: Solid. Silver metal strip. Odourless.

Melting Point: 651 deg c

Boiling Point: 1100 deg c

Insoluble in cold water. Slightly soluble in hot water.

Specific Gravity: 1.738

Vapour pressure: 1mm Hg @ 621 deg c.

Flash Point: 636 deg c.

Flammability: Flammable solid. Contact with moisture or water liberates flammable gases. Water used on magnesium will produce hydrogen gas and may cause an explosion.

Combustible/explosive substance

Section 10: Stability and Reactivity

Reactivity: Stable under normal conditions of use and storage. Will oxidize over time.

Chemical Stability: Stable under normal conditions. Conditions to avoid: heat, flames, ignition sources, water, moisture, moist air and incompatible substances.

Violent chemical reaction with oxidizing agents.

Section: 11 Toxicological Information

No information available

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Sections 12: Ecological information

No information available

Section: 13: Disposal Considerations

Dispose in accordance with all applicable local regulations

Sections: 14/15 Transport and Regulatory Information

Dangerous Goods class 4.1 Flammable Solids cannot be transported with: Class 1, Class 2.1, Class 4.2, Class 5 and Class 7.

UN 1869 Magnesium. Hazchem code: 1Z. Packing group III. EPG: 4A1.

Disclosure:

The above information is based upon information available to us. Technos P/L shall not be held liable for any claims, losses or damages resulting from reliance on this information. Users should do their own research to determine the suitability of the information for their own use of this product. Self risk assessments are recommended. Each State and Territory have their laws and regulations for disposing of product and it is recommended users check before discarding the product.

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