SAFETY DATA SHEET

FLAMMABLE STORAGE CODE RED

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Section 1

Identification

INNOVATING SCIENCE[®] by Aldon 221 Roc

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221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only. Not for drug, food or household use.

Product	MAGNESIUM METAL, RIBBON	
Synonyms	Magnesium	
Section 2	Hazards identification	
Pictograms	I: WARNING : GHS02 ns: None known	Precautionary statement: P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
GHS Classi Flammable s	fication: solid (Category 2)	
GHS Label i H228: Flamr	information: Hazard statement: mable solid.	

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Combustible dust Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on ingredients					
Chemical Name		CAS #	%	EINECS		
Magnesium		7439-95-4	99.8%	231-104-6		
Section 4	First aid measures					

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Use only graphite powder, soda ash, powdered sodium chloride, or an appropriate metal-fire-extinguishing dry powder. DO NOT use water, carbon dioxide, or foam!

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear.

Specific Hazards: When heated in air to a temperature near its melting point, magnesium may ignite and burn. Dangerous in the form of dust or flakes and when exposed to flame or by violent chemical reaction with oxidizing agents. Magnesium may react with moisture or acids to evolve hydrogen gas, which is a highly dangerous fire or explosion hazard.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Using non-sparking tools, sweep up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources. Keep away from water and moisture.

Section 8	Exposure controls / personal protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
Exposure Limits.	Magnesium	Not established	Not established	Not established			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.							
Section 9	Physical and chemical prop	erties					
Odor: No odor. Odor threshold: Da pH: Data not availab	ata not available. F ble. V point: 651°C (1203.8°F) °C (2030°F) F	Tammability (s Explosion limit /apor pressure /apor density (Relative density	e (= 1): Data not av olid/gas): Data not a s: Lower / Upper: D (mm Hg): 1 mm @ 6 Air = 1): Data not ava (Specific gravity): 1.7 Negligible in water.	vailable. ata not available i21°C iilable	Auto-igniti Decompos Viscosity: Molecular	oefficient: Data ion temperature sition temperatu Data not availab formula: Mg weight: 24.31	:510°C (950°F) re: Data not available.
Section 10	Stability and reactivity						
Chemical stability: Stable Hazardous polymerization: Will not occur.							
Conditions to avoid	d: Excessive temperatures, heat, s	sparks, open fla	me and other sources	of ignition.			
Incompatible mater	rials: Magnesium will react with wa	ater and acids to	o release hydrogen. A	lso hazardous with	chlorine, bron	nine, iodine and c	oxidizing agents.
Hazardous decomp	oosition products: Hydrogen.						
Section 11	Toxicological information						
IARC: No componer OSHA: No componer Ca Prop 65: This pro Reproductive toxico STOT-single expose STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: Inhalation Ingestion: Ingestion Skin: Particles imbe Eyes: Contact with Signs and symptor chills, nausea, vonit	t of this product present at levels gunt of this product present at levels gent of this product present at levels oduct does not contain any chemicative. Data not available sure: Data not available Dosure: Data not available Data not available	greater than or e greater than or als known to the hortness of brea bouth and may o ons. Molten ma eal scratches. A gnesium oxide fi	qual to 0.1% is identif equal to 0.1% is identif State of California to th. tause abdominal pain gnesium may cause s Woid direct viewing of ume subsequent to bu	ied as probable, pos ified as a carcinoge cause cancer or rep and diarrhea. erious skin burns. magnesium fires as rning can result in n	ssible or confi n or potential productive tox s eye injury ma netal fume fev	rmed human card carcinogen by OS icity. ay result, use fire rer. The tempora	SHA. glasses. ry symptoms can include fever,
Section 12	Ecological information						
Toxicity to algae: N Persistence and de Mobility in soil: No	and other aquatic invertebrates lo data available gradability: No data available	Bioaccumu PBT and vP	lative potential: No o vB assessment: No	data available	r disposal.		
	idelines are intended for the dis e different. Dispose of in accord						
Section 14	Transport information						
UN/NA number: Hazard class: 4.			Reporta	ble Quantity: No G Guide # 138	D	Ма	arine pollutant: No
Section 15	Regulatory information	nan o Ny	2020 ER				
	ed to be listed if the CAS number for the	anhydrous form i	s on the Inventory list.				
Compone		TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Magnesium		Listed	Not listed	D001	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.
Section 16	Other information						. ,

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015