## KM00340 MAGNESIUM RIBBON 25G

SDS No.: MM0010 9263

SAFETY DATA SHEET

Page E1 of E2

Section 1

Chemical Product and Company Information

Nasco 901 Janesville Ave.
P.O. Box 901
Fort Alkinson, WI 53538-0901

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.

FLAMMABLE STORAGE CODE RED

Product

MAGNESIUM METAL, RIBBON

Synonyms

Magnesium

Section 2

Hazards Identification

Signal word: WARNING Pictograms: GHS02

Target organs: None known

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GHS Classification: Flammable solid (Category 2)

GHS Label information: Hazard statement: H228: Flammable solid.

Precautionary statement:

P210: Keep away from heat/sparks/open flames/hot surfaces, No smoking.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3

Composition / Information on Ingredients

Chemical Name

CAS W

%

EINECS

Magnesium

7439-95-4

99.8%

231-104-6

Section

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 scap and water. If initiation 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.

## KM00340 MAGNESIUM RIBBON 25G

Handling & Storage

Page F2 of F2

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

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

Section B

Exposure Controls / Personal Protection

**Exposure Limits:** 

Chemical Name Magnesium

ACGIH (TLV) Not established

OSHA (PEL) Not established

NIOSH (REL) 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 turne hood or wear a NIOSH/MSHAapproved respirator.

Physical & Chemical Properties

Appearance: Solid, Silvery gray, metal ribbon

Odor: No odor Odor threshold: Data not available.

pH: Data not available.

Melting / Freezing point: 651°C (1203.6°F)

Boiling point: 1110°C (2030°F) Flash point: 636°C (1175°F)

Evaporation rate ( = 1): Data not available Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available

Vapor pressure (mm Hg): 1 mm @ 621°C Vapor density (Air = 1): Data not available Relative density (Specific gravity): 1,74 @ 20°C

Solubility(les): Negligible in water.

Partition coefficient: Data not available Auto-ignition temperature: 510°C (950°F) Decomposition temperature: Data not available. Viscosity: Data not available.

Molecular formula: Mg Molecular weight: 24.31

Section 10

Stability & Reactivity

Chemical stability: Stable

Hazardous polymerization: Will not occur. Conditions to avoid: Excessive temperatures, heat, sparks, open flame and other sources of ignition,

Incompatible materials: Magnesium will react with water and acids to release hydrogen. Also hazardous with chlorine, bromine, iodine and oxidizing agents,

Hazardous decomposition products: Hydrogen.

Section 11

Toxicological Information

Acute toxicity: Data not available

Skin corresion/irritation: Data not available Serious eye damage/irritation: Data not available Respiratory or skin sensitization: Data not available

Germ cell mutagenicity: Date not available Carcinogenity: Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Data not available

Aspiration hazard: Data not available Potential health effects:

Inhalation: Inhalation may cause cough, sore throat, shortness of breath.

Ingestion: Ingestion causes burning sensation in the mouth and may cause abdominal pain and diarrhea,

Skin; Particles imbedded in the skin may cause eruptions. Molten magnesium may cause serious skin burns.

Eyes: Contact with eyes may cause irritation and comeal scratches. Avoid direct viewing of magnesium fires as eye injury may result, use fire glasses.

Signs and symptoms of exposure: Exposure to magnesium oxide fume subsequent to burning can result in metal fume fever. The temporary symptoms can include fever, chills, nausea, vomiting and muscular pain. Onset of symptoms occurs 4-12 hours after exposure. Exercise appropriate procedures to minimize potential hazards.

Additional information: RTECS #: OM2100000

Section 12

**Ecological Information** 

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to alone: No data available

Persistence and degradability: No data available Mobility in soll: No data available

Bioaccumulative potential: No data available PBT and vPvB assessment: No data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport Information (US DOT / CANADA TDG)

UN/NA number: UN1869 Hazard class: 4.1

Shipping name: Magnesium Packing group: III

Reportable Quantity: No

Marine pollutant: No

Exceptions: Limited quantity equal to or less than 5 Kg

2012 ERG Gulde # 138

WHMIS Classification

Section 15 Magnesium

Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component TSCA

CERLCA (RQ)

Listed

RCRA code

Listed

DSL

NDSL Not listed

D001

B4 B6 **(** 

Additional 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, Informational Agency for Rosearch on Cancer, OSHA, Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE, Single Exposure, RE, Repeated Exposure. ERG: Emergency Response Guidebook,

Revision Date: September 17, 2014

Supercedes: October 1, 2013