



chemists helping chemists in research & industry

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DATE: 07/20/94
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M A T E R I A L S A F E T Y D A T A S H E E T

PAGE 1

SECTION 1. - - - - - CHEMICAL IDENTIFICATION - - - - -

PRODUCT #: 26630-2 NAME: MAGNESIUM, RIBBON, CA. 0.15MM THICK, 3MM
WIDE, 99+%

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 7439-95-4

MF: MG

SYNONYMS

MAGNESIO (ITALIAN) * MAGNESIUM (UN1869) (DOT) * MAGNESIUM ALLOYS,
POWER (UN1418) (DOT) * MAGNESIUM ALLOYS WITH >50% MAGNESIUM IN
PELLETS, TURNINGS OR RIBBONS (UN1869) (DOT) * MAGNESIUM CLIPPINGS *
MAGNESIUM GRANULES, COATED PARTICLE SIZE NOT <149 MICRONS (UN2950)
(DOT) * MAGNESIUM PELLETS * MAGNESIUM POWDERED * MAGNESIUM, POWDER
(UN1418) (DOT) * MAGNESIUM RIBBONS * MAGNESIUM TURNINGS * RMC *
UN1418 (DOT) * UN1869 (DOT) * UN2950 (DOT) *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

FLAMMABLE (USA DEFINITION)

HIGHLY FLAMMABLE (EUROPEAN DEFINITION)

TOXIC (USA DEFINITION)

HARMFUL (EUROPEAN DEFINITION)

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

KEEP AWAY FROM SOURCES OF IGNITION. NO SMOKING.

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF

WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE

PROTECTION.

AIR AND MOISTURE SENSITIVE

STORE UNDER NITROGEN.

SECTION 4. - - - - - FIRST-AID MEASURES - - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS

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PAGE 2

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AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

USE APPROVED CLASS D EXTINGUISHERS OR SMOTHER WITH DRY SAND, DRY
GROUND LIMESTONE OR DRY CLAY.

DO NOT USE WATER.

DO NOT USE CARBON DIOXIDE EXTINGUISHER ON THIS MATERIAL.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

FLAMMABLE SOLID.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

REACTS WITH WATER TO LIBERATE FLAMMABLE AND/OR EXPLOSIVE GAS.
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

EVACUATE AREA.

SHUT OFF ALL SOURCES OF IGNITION.

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

REFER TO SECTION 8.

ADDITIONAL INFORMATION

MAGNESIUM REACTS VIGOROUSLY WITH: AMMONIUM NITRATE, CARBONATES,
ARSENIC, CUPRIC OXIDE AND SULFATE, MERCURIC OXIDE, AND PHOSPHATES.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

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CHEMICAL SAFETY GOGGLES.
USE PROTECTIVE CLOTHING, GLOVES AND MASK.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
AVOID CONTACT AND INHALATION.
TOXIC.
IRRITANT.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
AIR AND MOISTURE SENSITIVE
STORE UNDER NITROGEN.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR

GRAY RIBBON APPX 0.15 X 3 MM

AUTOIGNITION TEMPERATURE: 950 F

509C

VAPOR PRESSURE: 1MM 621 C

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

INCOMPATIBILITIES

ACIDS
ACID CHLORIDES
STRONG OXIDIZING AGENTS
REACTS VIOLENTLY WITH:
HALOGENS
CHLORINATED SOLVENTS
AIR SENSITIVE
MOISTURE SENSITIVE

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS

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HARMFUL IF SWALLOWED.
CAUSES EYE AND SKIN IRRITATION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.
RTECS NO: DM2100000
MAGNESIUM
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----
DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

MATERIAL IN THE ELEMENTAL STATE SHOULD BE RECOVERED FOR REUSE OR
RECYCLING.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----

REVIEWS, STANDARDS, AND REGULATIONS

NOHS 1974: HZD 43320; NIS 48; TNF 2305; NOS 65; TNE 51166
NDES 1983: HZD 43320; NIS 81; TNF 7152; NOS 77; TNE 130123; TFE 14529
EPA TSCA CHEMICAL INVENTORY, JUNE 1993
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 1994
NIOSH ANALYTICAL METHODS: SEE ELEMENTS (ICP) 7300

SECTION 16. ----- OTHER INFORMATION -----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO

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