SECTIO		MANUE			Effectiv	, , , , , , , , , , , , , , , , , , , ,		
Product		NAME SIUM METAL	24	HOUREN	IERGE	NCY ASSISTANCE		
Chemical Synonyms			letal, Ribbon, Chips, Turnings			MTREC Health 0		
Formula Mg			is, rumings	-		3-226-6177 Fire 2		
Unit Size	up to 2.5	Ka		- NFP	A RD RATI	Reactivity 2		
C.A.S. No.				LEAST	SLIGHT MC	DERATE HIGH EXTREME		
SECTIO	N II	INGREDI	ENTS O	0 F MIXTURE	1	2 3 4		
Principal	Compone	ent(s)			%	TLV Units		
Mag	nesium Metal		.*	99.8%		See Section V.		
			-					
DAN	IGER! FLAM	MABLE SOLID! KEEP	AWAY FRO	ОМ		-		
		LAME, ACID AND DA						
SECTIO	N III	PHYSICA						
lelting Poir		1202°F (651°C)		Specific Gravity (H ₂ O = 1		1.74 at 20°C		
Boiling Point (°F)		2030°F (1110°C)		Percent Volatile by Volume (%)		Non-volatile (NA).		
apor Pressure (mm Hg)		1 mm at 621°C		Evaporation Rate (n-Butyl Acet. =1)		Non-volatile (NA).		
apor Density (Air=1)		Data not listed.						
olubility in \		Negligible (Decompose			magnesiun	n oxide.)		
ppearance SECTIO		Silvery gray metal ribbo	on, chips, tu	rnings; no odor.				
ash Point ethod Used)	1175°F (63		Flammable % by Volum	Limits in Air		NTA wer Upper		
tinguisher edia	Smother w	vith dry graphite, talc, di JSE WATER. Do NOT	nu sand C 1	sand, G-1 powder, purple K- se foam, halogenated extinguishing agents, or carbon dioxide.				
PECIAL FI	REFIGHTING	Do not use foam, carbon tetrachloride, or carbon dioxide. Do not use foam, carbon tetrachloride, or carbon dioxide. Manual application of water should be conducted with care to prevent contact with burning or molten magnesium. Protect eyes and skin against flying particles. Avoid direct viewing of magnesium fires as eye injury may result. Firefighters should wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing when appropriate. Wear fire glasses when viewing magnesium flame						
		magnesium fla		ppropriate. Wea	r fire glass	es when viewing		
		Autoignition Te	emperature:	510°C (950°F).				
IUSUAL FI PLOSION	RE AND HAZARDS	ignited by a sp	ark. In finely ien; also haz	/ divided form, w	ires with ai	nse heat and brilliant r which may be h water and acids to nlorine, bromide,		

SECTION										
			HEALTH HAZA	ARD DAT	4		MM 22			
Threshold			None established. TLV (1984) 10 mg	(ACGIH 1992 /m ³ (TWA): O	-93). Ma SHA PEL	agnesium Oxide Fun _ 15 mg/m ³ (TWA).				
Effects of C		osure	Exposure to magnesi should be treated as a burning can result in r chills, nausea, vomitin exposure. EVES: Magnesi	um metal or oxidi a nuisance dust. metal fume fever. ng and muscular ay cause burns a din the skin mou	e dust sho Exposure The temp pain. Ons nd corneal	uld be a low health risk to magnesium oxide fui oorary symptoms can in et of symptoms occurs abrasions. <u>SKIN</u> : Par	me subsequent to clude fever, 4-12 hours after			
Emergency First Aid P	y and <u>rocedu</u>	res	EYE CONTACT: 1 applicator. Cornea attention. INHALA medical attention.	Do NOT flush v al abrasions are <u>TION:</u> Remov <u>SKIN: Flush ti vallowed, if con</u>	with wate a possil ve to frest horought	r. Remove particals bility. Get immediate h air. If ill effects der y with water, no effect gluce vomiting and d	e medical velop, get			
SECTION	VI	F	EACTIVITY D	ΑΤΑ						
Stability U			Conditions to Austich							
	Stable	Х		And and a state of the state of	noisture.	us when wet. Avoid heat, sparks and fla	exposure to			
ncompatibil Materials to		Magn with c	esium will react with w hlorine, bromine, iodir	water and acids	to relea	so budromen ales l				
lazardous Decompositi		lucts				osed for long time to	water and			
	zardous Polymerization		Conditions to Avoid							
May Occur	Will No	ot Occur	Not applicable.							
SECTION		X	PILL OR LEAK							
naterial is re /aste Dispos		od Disc The	or open flames in the area. Avoid dusting. Clean dry product may be returned to dry container and sealed against moisture or place in a suitable container for disposal. We dro containniated material should be placed in vented containers and moved to a remote area for disposal by burning. charge, treatment, or disposal may be subject to Federal, State or Local laws. se disposal guidelines are intended for the disposal of catalog-size quantities only. pose of in an approved incinerator or in an approved chemical landfill or							
		con	tract with a line prove		in an a		s only.			
	Test to the second s		tract with a licensed v	waste disposal	service.	oproved chemical lar	s only.			
		SF	ECIAL PROTE		service.	MATION	as only. Adfill or			
spiration Protect	tion N	SF	PECIAL PROTE		service.	MATION	as only. Adfill or			
spiration Protect ecify Type)	tion N	SF None neede ventilation h	ECIAL PROTE		service.	MATION nditions prevail, work mask or respirator.	as only. Adfill or			
spiration Protect ecify Type) entilation	tion N V Local Exha Mechanica	SF None neede ventilation h	PECIAL PROTE ad in normal laborator wood or wear a NIOSH	ECTION IN Ty handling. If MSHA-appro	service.	MATION	as only. Adfill or			
spiration Protect recify Type) entilation rotective G	tion V Local Exha Mechanica	SF None neede ventilation h aust al (General) Fin	PECIAL PROTE ad in normal laborator lood or wear a NIOSH If dusty. If dusty. re-resistant.	ECTION IN ry handling. If f//MSHA-appro Special Other Eye Prote	Service.	MATION nditions prevail, work mask or respirator. No. No. Chemical safety glassi	is only. ndfill or k in			
spiration Protect ecify Type) entilation otective G er Protective	Local Exha Mechanica	SF None neede ventilation h aust al (General) Fin appropriate	PECIAL PROTE ad in normal laborator lood or wear a NIOSH If dusty. If dusty. re-resistant.	A ste disposal ECTIONIN y handling. If H/MSHA-appro Special Other Eye Prote	service. NFORI dusty conved dust ved dust	MATION nditions prevail, work mask or respirator. No. No. Chemical safety glasse	is only. ndfill or k in es, fire glasses.			
spiration Protect becify Type) entilation otective G her Protective signment	Local Exha Mechanica IOVES Wear a magne	SF None neede ventilation h aust al (General) Fin appropriate esium meta	PECIAL PROTE ad in normal laborator lood or wear a NIOSH If dusty. If dusty. re-resistant. fire resistant clothing I to elevated tempera	Aste disposal ECTIONIN Ty handling. If H/MSHA-appro Special Other Eye Prote g (e.g., gloves atures (950°F)	service. NFORI dusty conved dust ved dust	MATION nditions prevail, work mask or respirator. No. No. Chemical safety glasse	is only. ndfill or k in es, fire glasses.			
spiration Protect secify Type) entilation rotective G uer Protective signment ECTION D ecautions to	Local Exha Mechanica IOVES Wear a magne	SF None neede ventilation h aust al (General) Fin appropriate esium meta	PECIAL PROTE ad in normal laborator bood or wear a NIOSH If dusty. If dusty. re-resistant. a fire resistant clothing I to elevated tempera ECIAL PRECA	ECTIONIN ry handling. If d/MSHA-appro Special Other Eye Prote g (e.g., gloves atures (950°F) · AUTIONS	service. VEORI dusty conved dust ved dust ction , coverall which ca	MATION nditions prevail, work mask or respirator. No. No. Chemical safety glasse s, etc.) when exposi- n cause ignition. Go	is only. ndfill or k in es, fire glasses. ng ggles.			
spiration Protect pecify Type) entilation rotective G appendix of the spirate of the spirate appendix of the spirate of the sp	Local Exha Mechanica IOVES Wear a magne Control of the technical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical M	SF None needa ventilation h aust al (General) Fin appropriate esium meta SP Stu use. Gru	CIAL PROTE din normal laborator iood or wear a NIOSH If dusty. If dusty. re-resistant. ifre resistant clothing to elevated temperat ECIAL PRECA pre at room temperatu tal cabinet. Avoid dir pound all handling and	ECTION II y handling. If d/MSHA-appro Special Other Eye Prote g (e.g., gloves atures (950°F) ' AUTIONS ure in a dry pla rect viewing of I transferring o	service. IFORI dusty conved dust ved dust ction , coverall which can ce away magnesis perations	MATION ditions prevail, work mask or respirator. No. No. Chemical safety glass (s, etc.) when exposi n cause ignition. Go from other combusti um fires as eye injur	is only. ndfill or a in es, fire glasses. ng ggles.			
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spiration Protect becify Type) entilation rotective G and the Protective alignment ECTION D ecautions to Handling & S o container tightly closs her Precaut	tion v Local Exha Mechanica iloves v Wear i magne be Taken toring ed when not in u toring Re	SF None neede (entilation h aust al (General) Fin appropriate esium meta seium meta seiu	PECIAL PROTE ad in normal laborator lood or wear a NIOSP If dusty. If dusty. If dusty. re-resistant. If re resistant clothing to elevated temperat ECIAL PRECA Dre at room temperatur tal cabinet. Avoid dir bound all handling and ntainer before using. Do not we t, moist or high humic duct. Constant clean	CTION IN ry handling. If d/MSHA-appro Special Other Eye Prote g (e.g., gloves atures (950°F) AUTIONS ure in a dry pla rect viewing of t transferring o vear contact lenses of dity storage co n-up and good	service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Servic	MATION nditions prevail, work mask or respirator. No. No. Chemical safety glass: (s, etc.) when exposi- n cause ignition. Go from other combusti um fires as eye injur g with chemicals.	is only. ndfill or (in es, fire glasses. ng ggles. bles in a y may result.			
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VISION No.	tion v Local Exhr Mechanica iloves Wear (magne toring ed when not in to toring ed when not in to toring ed when not in to toring	SF None neede ventilation h aust al (General) Fin appropriate esium meta SF Sto me use. Gru pro pro use. Gru pro use. Gru pro	ECIAL PROTE din normal laborator ood or wear a NIOSH If dusty. If dusty. If dusty. re-resistant. e fire resistant clothing to elevated temperat ECIAL PRECA ore at room temperatu tal cabinet. Avoid dir ound all handling and namer before using. Do not w et, moist or high humic dust. Constant clean usehold use. Keep out c	CTION IN y handling. If d/MSHA-appro Special Other Eye Prote g (e.g., gloves turres (950°F) · AUTIONS ure in a dry pla trect viewing of I transferring op vear contact lenses v dity storage co 1-up and good of reach of childre Michael Ba	service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Service. Servic	MATION nditions prevail, work mask or respirator. No. No. Chemical safety glasse (s, etc.) when exposi n cause ignition. Go from other combusti um fires as eye injur g with chemicals. will lead to corrosion eping.	is only. hdfill or a in as, fire glasses. ng ggles. bles in a y may result. of the			