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			-	ETY DATA SHEE	T	APR 2 0 1995		
CHEMICAL NAME	Manganes	EMERGER NUMBER (30)	EMERGENCY PHONE NUMBER (301) 789-880					
SYNONYMS								
FORMULA	MnO ₂ HP	-			July 1979			
· · ·		I. HAZ	ARDOU	S INGREDIENT	S		A SHALL SHALL	
MATERIAL		TLV (UNITS)	%	MATERIA	-Transference	TLV (UNITS) %		
	•							
¥								
i,		11.	PHYS	ICAL DATA				
BOILING POINT 60 mm Hg	None			FREEZING POINT	535	C.	16123	
SPECIFIC GRAVITY	5.028			VAPOR PRESSURE AT 20° C	-			
OR DENSITY (AIR = 1)	-			SOLUBILITY IN WATER % BY WT. AT 20° C.	Insoluble			
PERCENT VOLATILES BY VOLUME			/	EVAPORATION RATE (BUTYL ACETATE = 1)	_			
APPEARANCE	Silver Metallic Powder			ODOR	None		•	
	111.	FIRE AND	EXPLO	SION HAZARD	DATA		Ale tokateje,	
FLASH POINT (TEST METHOD)	None None			FLAMMABLE LIMITS IN AIR	UPPER		-	
AUTOIGNITION FEMPERATURE				(% BY VOLUME)	LOWER		•	
EXTINGUISHING MEDIA								
PECIAL FIREFIGHTING ROCEDURES	Normally	use CO ₂ , d	ry cell,	or H ₂ O extinguis	ners.			
UNUSUAL FIRE	not be h	eated or ru	bbed in	mical reaction; a contact with easi	ly oxidizable	matter.	It must	

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Especially important to keep away from grease and oil.

		IN. HEALIH	11/34/3/11	A NUIL						
THRESHOLD LIMIT VALUE	TLV-is 5 r	ng/m ³								
EFFECTS OF OVEREXPOSURE	Although the probability of contracting manganese poisoning is low, the effects are severe if poisoning occurs. Symptoms are similar to Parkinson's syndrome and include weakness of the legs, difficulty in walking downhill, instability and weakness while doing heavy work.									
EMERGENCY AND FIRST AID PROCEDURES					•					
	1	V. REACT	IVITY D	ATA	• 医胸腺性溃疡	्राज्यसम्बद्धाः स्टब्स् <mark>याः १०</mark> ०				
STABILITY UNSTABLE STABLE	CONDITIONS TO AVOID									
INCOMPATIBILITY (MATERIALS TO AVOID)	Easily oxidizable matter.									
HAZARDOUS DECOMPOSITION PRODUCTS	None									
HAZARDOUS POLYMERIZATION MAY WILL NOT OCCUR OCCUR	CONDITIONS TO AVOID									
	· VI	. SPILL OR LI	EAK PRO	CEDURES)					
STEPS TO BE TAKEN . IF MATERIAL IS RELEASED OR SPILLED	Does not j	oresent any unusu	al hazard.			(
WASTE DISPOSAL METHOD	No special methods.									
	VII. S	SPECIAL PROTE	CTION I	NFORMAT	rion					
RESPIRATORY PROTECTION	Respirator	should be worn	when dust	is noticea	ble.	nganan ayan aran kanan ayan ayan ayan ayan ayan ayan a				
VENTILATIONS	LOCAL EXHAUST			SPECIAL						
	MECHANICAL			OTHER						
PROTECTIVE GLOVES	Yes	PROTECTION	Goggles		R PROTECTIVE PMENT	None				
	,	VIII. SPECIAL	PRECA	UTIONS		•				
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING		clean, dry area t grease, oil, and								
OTHER PRECAUTIONS										