MANUFACTURER'S NAME

## U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Form Approved OMB No. 44-R1387

## MATERIAL SAFETY DATA SHEET

201

EMERGENCY TELEPHONE NO.

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

Nuclear Radiation Develo	ome	nts, I	Iv of Mark IV (716) 773-	763	4			
2937 Alt blyd North Gra	nd	Island	NY 14072					
Americium, Ionization El			Alpha Emitter					
Transuranic Radionuclid			Am-241 as AmO <sub>2</sub>					
Tansirance Rantonice (a			Au Cai da Aut)					
SECTION	11 -	HAZA	ROOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	×	TLV	ALLOYS AND METALLIC COATINGS	×	TLV (Units)			
PIGMENTS			MASE METAL Silver	90				
CATALYST			ALLOYS					
VEHICLE			METALLIC COATINGS Gold	10				
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX					
ADDITIVES - PROMPTS AND A LINE OF		•	OTHÉRS .					
OTHERS	-							
HAZARDOUS MIXTURES	OF	THER LIC	DUIDS, SOLIDS, OR GASES	*	TLV (Units)			
The radioactive nuclide (Am-241) in metalic matrix, is formed								
into ionization foil. The			= 3 × 2 × 30					
				<u> </u>				
forming ionization sealed source, which is used as a component in smoke detectors.								
TH SMOKE GECECCOTS.								
SEC	TIO	V 111 - P	HYSICAL DATA					
SOILING POINT (F.) JAMANO	1	N/A	SPECIFIC GRAVITY (H2O-1)		11			
VAPUR PRESSURC (mm Hq.)	}	۸/۸	PERCENT, VOLATILE BY VOLUME (%)	None				
VAPOR DENSITY (AIR-1)	1	۸/۲	EVAPORATION RATE	N/A				
SOLUBILITY IN WATER	No	one			,			
APPEARANCE AND ODA								
CECTION IV	5101	AND	XP LOSION HAZARD DATA					
FLASH POINT (Method used)	רותו	ANDE	FLAMMABLE LIMITS		Ueí			
N/\			N/A					
EXTINGUISHING MEDIA								
SPECIAL FIRE FIGHTING PROCEDURES			<u> </u>					
UNUSUAL FIRE AND EXPLOSION HAZARDS	UNUSUAL FIRE AND EXPLOSION HAZAROS							

•	•			,		
		S	ECTION V	- HEA	LTH HAZARD DATA 201	
Maximum p	orm!	ecthiad	ose is ke dete	SOOmR	under the most improbable hypothetic	
	s (P	erson on	e meter	from	detector/year) is only 0 012mRem/year	
		<del></del>				
			SECTION	VI - P	EACTIVITY DATA .	
STABILITY UNSTABLE		C	Physical abuses and			
STABLE X disassembling				embling of the unit.		
INCOMPATABILIT	Y (Matei	riais to avoidj	'Aqua Ri	gia"	and other related acids.	
HAZARDOUS DEC	OMPOSI	TION PRODUC	AmO <sub>2</sub>			
HAZARDOUS POLYMERIZATION		MAY OCCUR			CONDITIONS TO AVOID	
	<b>+</b>	WILL NOT O	CCUA	χ		
		SECT	ION VII -	SPILL (	OR LEAK PROCEDURES	
STEPS TO BE TAK	EN IN	ASE MATERIA	L IS RELEAS	ED OR S	If the device, with radioactive	
sealed sou	ırce,	is dama	ged_it	shou1	d he handled according with the	
instructio			with th	e dev	ice.	
WASTE DISPOSAL	OHTSM	Under N	lo Circu	mstan	ces should the radioactive material	
be_dispose	d as	t public	dispos	alsi	tes. It must be returned to the	
manufactur	ern	rother	authori	zed i	estitution for disposal	
	<del></del>	SECTION	VIII - SPE	CIAL P	ROTECTION INFORMATION	
RESPIRATORY PR	OTZCTI	ON (Specify ly	Non	e ren	uired	

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATION | Specify type) | None required |

VENTILATION | LOCAL EXHAUST | SPECIAL |

MECHANICAL (General) | General Environment |

PROTECTIVE GLOVES | None | EYE PROTECTION |

OTHER PROTECTIVE EQUIPMENT |

## SECTION IX - SPECIAL PRECAUTIONS

"Important Safeguards" and instruction labels, on the device.

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Form OSHA-: