

Material Safety Data Sheet

May be use to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements. IDENTITY (As Used on Label and List) Scandium (Sc) CAS# 7440 202

U.S. Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form) Form Approved OMB No. 1218-0072

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name	Emergency Telephone Number
Ames Laboratory, USDOE	515-294-3483
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
121 Metals Development Building	515-294-1366
	Date Prepared
Materials Preparation Center, Iowa State University	3-30-88
	Signature of Preparer (optional)
Ames, IA 50011	

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)	
Not established, low oral toxicity: LD ₅₀ orally > 1000mg chloride/kg rat					

Section III — Physical/Chemical Characteristics

Boiling Point		Specific Gravity (H ₂ O = 1)	
	2836°C		2.989
Vapor Pressure (mm Hg.)		Melting Point	
	NA		1541°C
Vapor Density (AIR = 1)		Evaporation Rate	
	NA	(Butyl Acetate = 1)	NA

Solubility in Water

Negligible

Appearance and Odor

silver metallic - ordorless

No water, use lime

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NA			
Extinguishing Media			
Metal fire agent			
Special Fire Fighting Procedures			

Unusual Fire and Explosion Hazards

Fine particles ignite readily and burn white hot.

(Reproduce locally) OSHA 174.Sept.1985

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Section V —	Reactivity Data						
Stability	Unstable Conditions to Avoid						
	Stable		Fine particles under	oxidizing cond	tions		
	Otable	X					
Incompatibility (Ma	•	•	1				
Hazardous Decom	position or Byproducts	Acids					
		None known					
Hazardous Polymenzation	May Occur		Conditions to Avoid				
	Will Not Occur						
		Х					
	Health Hazard I						
Route(s) of Entry:	Inhala	ation? X	Skin?		Ingestion?		
Health Hazards (A		^\					
Overexposure	to some compound	ds (such as c	oxides, hydroxides, ca	rbides, etc.) ma	y irritate the skin, eyes, and mucous		
membrane.							
Carcinogenicity:	NTP?		IARC Mo	nographs?	OSHA Regulated?		
Signs and Sympton	ma of Evangura						
-	avate respiratory p	roblems.					
Medical Conditions	<u> </u>						
Generally Aggrava	ted by Exposure						
Emergency and Fire	rst Aid Procedures						
Section VII —	- Precautions fo	r Safe Han	dling and Use				
	in Case Material Is Re						
Sweep-up spille	ed material.						
Waste Disposal Me		vad abamiaa	al londfill				
Normai disp	oose of in an appro	ved chemica	ıı iandılı.				
Droggutions to Bo	Taken in Handling and	Storing					
	oxidizing conditions						
	<u> </u>						
Other Precautions							
Finely divided r	metal can oxidize ra	apidly sto	ore under inert condition	ons.			
Section VIII -	– Control Meası	ures					
Respiratory Ptorted	ction (Specify Type)						
	tor if dusting is a pi	roblem.					
Ventilation	Local Exhaust Provide for dust			Special NA	Special NA		
	Mechanical (General)				Other		
Protective Gloves	NA		F	NA Protection			
Recommended	I		-	commended			
Other Protective Clothing or Equipment							
None Work/Hygenic Prac	rtices						
NIA	Juoga						