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From: P. 9  
 10/2/84

# MATERIAL SAFETY DATA SHEET

Revision: '89.9.29

**Section I Identification**

Product Trade Name: CHROMILITE KC - 50

**Section II Proprietary Formulation**

Hazardous Components	CAS No.	Percentage	ACGIH-TLV	
None.	CHROMIC ACID	1333-82	< 75%	0.05mg/m <sup>3</sup>

Remainder of ingredients not known to be hazardous.

**Section III Physical Data**

Appearance and Odor:	<u>Gray-White powder.</u>		
Solubility in Water:		Boiling Point:	Decomposes
Negligible	_____	Vapor pressure:	_____ NA
Slight	_____	Percent Volatile by Volume:	_____ NA
Moderate	_____	Evaporation Rate:	_____ NA
Appreciable	_____ X	Specific Gravity:	_____ NA
Complete	_____	pH:	< 1.0 depending on concentration

**Section IV Fire and Explosion Hazard Data**

Flash Point:	<u>None</u>	Flammable/Explosive Limits:	LEL: <u>NA</u>	UEL: <u>NA</u>
(method used)				
Extinguishing Media	<u>Product is nonflammable. Use media appropriate for surrounding fire.</u>			
Special Fire-Fighting Procedures	<u>Wear self-contained breathing apparatus and full protective clothing.</u>			
Unusual Fire and Explosion Hazards	<u>Containers may explode when involved in fire.</u>			

**Section V Health Hazard Data**

Threshold Limit Value:	<u>None known or established.</u>		
Effects of Overexposure			
Acute:	<u>Corrosive to eyes, skin and mucous membranes.</u>		
Chronic:	<u>Corrosive to eyes, skin and mucous membranes.</u>		
Principal Route of Exposure:	<u>Skin contact, ingestion, and inhalation.</u>		
Emergency First Aid Procedures:			
Eye:	<u>Rinse with water 15 minutes. Get medical attention.</u>		
Skin:	<u>Wash with water. Get medical attention.</u>		
Inhalation:	<u>Remove to fresh air. Get medical attention.</u>		
Swallowing:	<u>Give large quantities of water. If available, give several glasses of milk and get medical attention.</u>		

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Section VI Reactivity Data
Stability : Stable x Unstable
Hazardous Polymerization : May Occur Will not Occur x
Incompatibility (Materials to be avoided) :
Hazardous Decomposition Products :

Section VII Procedures to be Taken in Case of Spillage or Leakage
Steps to be taken in case material is released or spilled :
Eliminate ignition sources. Place spilling container in ventilated area. To clean up spill, flush area with water or use an reducing agent(a solution of sodium bisulfite, sodium sulfite)
Waste Disposal Method : Licensed waste treatment facility.
EPA I.D. No : RQ :

Section VIII Special Safety Information
Ventilation : Local Exhaust x Respiratory Protection :
Protective Clothing : Gloves x Others :
Chemical Safety Goggles x
Full Face Shield x Note : Eyes fountain and safety shower must always be available.
Boots x

Section IX Special Precautions
Handling & Storage : Store in cool,dry location away from ignition source,combustible, organic or other reasy oxidizable materials

Section X Shipping Information
DOT Proper Shipping Name : Chromium trioxide,anhydrous,toxic(Chromic Acid)
Hazard Class : 5.1
DOT Labels : Oxidizer, Corrosive, Toxic

IATA Class : 5.1 Packing Group : 2 UN# : 1463
IMDG Class : 5.1 Packing Group : 2 IMCO Pg# : 5145 UN# : 1463

NI : No relevant information available .
NA : Not applicable .

Prepared by : Kazuomi Kawase Date : Sep. 29, 1999