

Material Safety Data Sheet

Material/Trade Name: 10K, 12K, 14K, 18K, Silver, Platinum Acids; 20-24K Acid Part A
MSDS Code: 20-24K Acid Part A EUT-001

SECTION I PRODUCT/SUPPLIER INFORMATION

Material/Trade Name: 10K, 12K, 14K, 18K, Silver, Platinum Acids; 20-24K Acid Part A
Synonyms: Metal Test Solutions
Emergency Telephone Number: (800) 255-3924
DATE PREPARED: 10/7/97
FLAMMABILITY: 0 HEALTH: 3 REACTIVITY: 3

SECTION II INGREDIENT/EXPOSURE LIMIT INFORMATION

Chemical Component	%	CAS No.	TLV	PEL	REL
Nitric Acid		7697-37-2	2 ppm 4 ppm (a)	2 ppm	2 ppm (hr) 4 ppm (a)
Hydrochloric Acid		7647-01-0	5 ppm (c)	5 ppm (c)	5 ppm (c)
Water		7732-18-5	N.E.	N.E.	N.E.

hr=10hr time-weighted average (TWA), a=Short Term Exposure Limit (STEL), c=Ceiling limit, N.E.=None Established (Exposure Limit)

SECTION III PHYSICAL PROPERTIES

Vapor Pressure (mm Hg): Not Available
Vapor Density (Air = 1): Not Available
Solubility in Water: Completely
Appearance: Varies
Odor: Sharp Acidic Odor
Melting Point: Not available
Specific Gravity: >1
Boiling Point: Not Available
Evaporation Rate: Not Available
Volatility (%): 0%
pH: <2

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: >212°F / >100°C
Auto Ignition Temperature: Not Applicable
Flammable Limits: LEL: Not Applicable
UEL: Not Applicable

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: Fire fighters should wear full turnout gear and pressure-demand self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: This product is an oxidizer. Contact with reducing agents or oxidizable substances may cause combustion.

SECTION V REACTIVITY DATA

Stable? Yes
Conditions to Avoid: Contact with incompatible materials
Incompatibility (Materials to Avoid): Most Metals. May react violently with alcohols, turpentine, charcoal, and easily oxidized materials.
Hazardous Decomposition Products: Hydrogen and chlorine gas, and Oxides of Nitrogen
Hazardous polymerization may occur? No
Conditions to Avoid: Not Applicable