

MATERIAL SAFETY DATA SHEET

Metal Finishes PLUS

SECTION I MATERIAL IDENTIFICATION

Material Name: Brown Tarnish

CAS NO: NA

Metal Finishes PLUS Emergency Phone # CHEMTREC 1-800-424-9300

530 East 28th Street Tucson, AZ 85713 Date Prepared 1-1-2004

Phone # 520-623-1221

SECTION II HAZARDS

Ingredient Name:	CAS NUMBER:	TLV-TWA	TLV-STEL
Selenious Dioxide	7446-08-4	.2mg/m ³	.2mg/m ³
Sulfuric Acid	7664-93-9	1mg/m ³	NA

SECTION III PHYSICAL DATA

Appearance & Odor Clear, odorless liquid

Boiling Point: 213 F

Evaporation Rate: (Ethyl Ether = 1) 1

Vapor Pressure: No Data

Specific Gravity: 1.021

Water Solubility: Soluble

Melting Point: NA

Vapor Density (air=1): <1

% Volatile by Volume: NA

SECTION IV FIRE AND EXPLOSION DATA

Flash Point: Non-Flammable

Limits: LEL % : NA

UEL % : NA

Extinguishing Media: NA

SECTION V REACTIVITY DATA

Stable

Chemical Incompatibility: Corrosive to metals, reacts with Cyanides. Avoid exposure to high heat. Will produce toxic selenium fumes.

SECTION VI HEALTH HAZARD INFORMATION

Target Organs: Skin, Eyes Lungs

Primary Entry Route(s): Inhalation, contact with skin or eyes.

First Aid Contact with skin or eyes, flush with copious amounts of water, rolling eyes for at least 15 minutes, contact physician. If mist is inhaled, remove victim to fresh air and seek medical assistance. If swallowed, Do not induce vomiting, seek medical assistance.

Health Hazard: May cause itching, rash or burns with prolonged exposure. If swallowed may cause various levels of GI distress, diarrhea. May cause rash or burns to tissue.

Signs/symptoms of exposure: Reddening, rash or burning sensations. Inhalation of mist may cause shortness of breath, chest pains. Ingestion, Diarrhea, metallic taste, pallor, garlic breath odor, abdominal pain, dizziness.

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SECTION VII SPILL < LEAK AND DISPOSAL PROCEDURES

Spill/Leak Procedures: Wear protective clothing, hand and eye wear. Flush with water.
Disposal: CERCLA Reportable Quantity is 1 LB for selenium acid. Use a licensed waste disposal company.

SECTION VIII SPECIAL PROTECTION INFORMATION

Personal Protective Equipment: Wear protective clothing to avoid exposure to unprotected skin, eyes, and lungs.
Eye Protection Plastic goggles.
Gloves: Rubber, plastic or chemical resistant gloves.
Respirator: Do not breathe mist. Use adequate ventilation and wear a respirator with approved NIOSH filter cartridge.
Workplace Considerations: Treat as a mild acid and poison. Only trained personnel should handle product. Keep out of contact of metals and all basic pH solutions.
Ventilation: Use local ventilation. Use a high efficiency respirator with a chemical filter or a self-contained breathing apparatus.

SECTION IX SPECIAL PRECAUTIONS

Special Handling and Storage: Avoid contact with metal containers, skin, eyes and lungs, exposure to extreme temperatures. If involved in a fire will produce toxic selenium fumes. Do not store near cyanides, water reactive substances or strong reducing agents. Always wash hands with soap and water before smoking or eating after handling product.

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