

 **TELEDYNE
ANALYTICAL INSTRUMENTS**

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MSDS for TOC Calibration Standard

Effective 1/1/03
MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Catalog Number: Subscript3
Name: TOC Calibration Standard
Synonyms: None
Chemical Family: Standard Solution
Formula: Solution
Molecular Weight: N/A

SECTION II: HAZARDOUS INGREDIENTS

Component	CAS# %	Comp.	TWA
Sulfuric Acid	7664-93-9	0.025%	1mg/m3

SECTION III: HAZARDS IDENTIFICATION

Harmful if swallowed, inhaled, or absorbed through skin. Corrosive – may cause severe burns. Material is destructive to tissue of the mucous membranes and upper respiratory tract/eyes/skin. Inhalation may be fatal as a result of spasm/inflammation and edema of the larynx and bronchi/chemical pneumonitis/pulmonary edema.

Medical conditions aggravated by exposure: skin conditions and eye problems

Routes of entry: inhalation, ingestion, or absorption

Carcinogenicity: The principle component is not listed (IARC, NTP, OSHA) as a carcinogen. The solution does contain components in low concentration which may be considered as carcinogens. All minor components are listed in Appendix I.

SECTION IV: FIRST AID MEASURES

Skin: Immediately flush with water for 15 minutes.
Eyes: Immediately flush with water for 15 minutes.

Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped. Get medical attention immediately.

Ingestion: If conscious, give water and do not induce vomiting. Never give an unconscious person anything by mouth. Get medical attention immediately.

SECTION V: FIRE FIGHTING MEASURES

Flash Point (Degrees F): None

Extinguishing media: Water, dry chemical, foam or CO₂

Fire Fighting Procedure: Wear self- contained breathing apparatus and protective clothing to protect from acid.

Fire and explosion hazards: Emits toxic and acidic fumes under fire conditions.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Spill Response: Wear suitable protective equipment. Neutralize with sodium carbonate. Follow all Federal, State and Local Regulations.

SECTION VII: HANDLING AND STORAGE

Keep container in a cool dry place. Use with adequate ventilation, wear gloves and protective eye equipment, and chemical resistant clothing.

SECTION VIII: STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Toxic Fumes, SO₂

Conditions to avoid: Heat, strong bases, strong oxidizers

SECTION IX: SPECIAL PRECAUTIONS

This material should be used only by personnel trained in handling hazardous substances. The above information has been gathered from various technical sources and is believed to be accurate to the best of our knowledge but does not claim to be all inclusive. The data given is for informational purposes only and is intended to be used by personnel with the appropriate technical training to properly interpret the data. Since storage conditions and the way the product is used are out of our control, we make NO EXPRESSED OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS OR OTHERWISE.

APPENDIX I

Minor Components of Subscript₃ Which May be Carcinogenic:

Element	CAS#	mg/L	Suspected or Known Carcinogens/Highly Toxic Substances Marked with an X
Carbon	7440-44-0	20	