

# MATERIAL SAFETY DATA SHEET

Total Organic Carbon Std.

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Total Organic Carbon Std.

Product Code: 9572

Material Uses:

Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020

Entry Date : 7/1/2013

Print Date: 7/1/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

|               |   |
|---------------|---|
| Health:       | 1 |
| Flammability: | 0 |
| Reactivity:   | 0 |

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4

NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

## SECTION 3 MIXTURE COMPONENTS

| SARA 313                 | Component                           | CAS Number     | Percent Comp. | Dimension | Exposure Limits                             |
|--------------------------|-------------------------------------|----------------|---------------|-----------|---|
| <input type="checkbox"/> | Hydrochloric Acid Trace Metal grade | CAS# 7647-01-0 | 0.1%          | V/V       | OSHA PEL (C) 5 ppm, (C) 7 mg/m <sup>3</sup> |
| <input type="checkbox"/> | Potassium Hydrogen Phthalate        | CAS# 877-24-7  | <1%           | W/V       | TXDS: orl-rat LD <sub>50</sub> : 3200 mg/Kg |
| <input type="checkbox"/> | Water, Deionized ASTM Type II       | CAS# 7732-18-5 | Balance       | V/V       | None Established                            |

## SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of water. Vomiting may occur, but it is not necessary to induce.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Total Organic Carbon Std.

Fire / Explosion Hazards: None  
Fire Fighting Procedure: Use any means suitable for extinguishing surrounding fire. Use water spray cool fire exposed containers.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Absorb spill with inert material. Flush excess down drain.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool dry place. This Material is not considered hazardous. Handle using safe laboratory practices.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: None required  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Splash Goggles  
Other Protective Equipment: None required

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

|                      |                                   |                             |                           |
|----------------------|-----------------------------------|-----------------------------|---------------------------|
| Melting Point:       | ~0°C                              | Percent Volatile by Volume: | >99                       |
| Boiling Point:       | ~100°C                            | Evaporation Rate            | Information not available |
| Vapor Pressure:      | Information not available         | Evaporation Standard        |                           |
| Vapor Density:       | Information not available         | Auto Ignition Temp          | Not applicable            |
| Solubility in Water: | Soluble                           | Lower Flamm. Limit in Air   | Not applicable            |
| Appearance /Odors:   | Clear, colorless, odorless liquid | Upper Flamm. Limit in Air   | Not applicable            |
| Flash Point:         | None                              |                             |                           |
| Specific Gravity:    | ~1                                |                             |                           |

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Protect from freezing.  
Materials to Avoid: None known  
Hazardous Decomposition Products: None known  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

Total Organic Carbon Std.

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

**SECTION 16 Additional Information**

Conditions aggravated/Target organs: Essentially non-hazardous. Persons with preexisting skin, eye and digestive disorders may be more susceptible. Acute: Possible irritation of eyes/stomach. Chronic: None known.

Flammability

Health

Reactivity

Revisions

NFPA

0.2

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.