

Safety Data Sheet

Part Number 325251

Section 1. Substance Identity and Company Contact Information

Product Name	Total Inorganic Carbon (TIC) Standard	Product Part Number(s)	325229
Trade Name	Total Inorganic Carbon (TIC) Standard	Unit Size	1,000 mg/L and 250 mL
Company	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

Emergency No. 1-800-424-9300 (Chemtrec). Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

Section 2. Hazards Identification

Pictogram(s)



Signal Word	Warning	
Hazard Statement(s)	May cause eye and skin irritation. May be harmful if swallowed.	
Precautionary Statement(s)	All chemicals should be considered hazardous. Direct physical contact should be avoided. Good lab practices should always be used.	
Target Organ(s)	Eyes and skin	
Potential Health Effects	Eye:	May cause irritation.
	Skin:	May cause irritation.
	Ingestion:	May be harmful if swallowed.
	Inhalation:	May irritate mucous membranes and upper respiratory tract.
Chronic Effects/ Carcinogenicity	IARC:	No data available
	NTP:	No data available
	OSHA:	No data available
Teratology (Birth Defects) Information	No data available	
Reproductive Information	No data available	
NFPA Ratings	Health:	0
	Flammability:	0
	Reactivity:	0
HMIS Rating	Health:	0
	Flammability:	0
	Reactivity:	0
	Protective Equipment:	None

Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Water	7732-18-5	99.2091	No data available	No data available
Sodium carbonate for TIC	497-19-8	0.4412	No data available	No data available
Sodium bicarbonate for TIC	144-55-8	0.3497	No data available	No data available

Section 4. First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	Remove to fresh air. Give oxygen, if necessary. Contact a physician.
In Case of Skin Contact	Flush with copious amounts of water. Remove contaminated clothing. Contact a physician.
In Case of Eye Contact	Flush with copious amounts of water, lifting eyelids occasionally. Contact a physician.
If Swallowed	contact poison center immediately for recommended procedure. Contact a physician.
Indication of Any Immediate Medical Attention and Special Treatment Needed	No data available.

Section 5. Fire-fighting Measures

General Information	No data available
Suitable Extinguishing Media	Use water spray, dry chemical or carbon dioxide.
Special Hazards Arising from the Substance or mixture	No data available
Advice for Firefighters	No data available
Flash Point	No data available
Autoignition Temperature	No data available
Further Information	No data available

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	Ventilate area of the leak or spill. Wear appropriate personal protective equipment as specified in Section 8.
Environmental Precautions	No data available
Methods and Materials for Containment and Cleaning	A leaking bottle, vial, or ampule may be placed in a plastic bag, and normal disposal procedures followed. Take up spilled material with sand or other non-combustible absorbent material, and place in an appropriate container for later disposal. Flush spill area with water.
Reference to Other Sections	For disposal, see Section 13.

Section 7. Handling and Storage

Precautions for Safe Handling	This product should only be used by persons trained in the safe handling of hazardous chemicals.
Conditions for Safe Storage, Including any Incompatibilities	Store at room temperature (18-25°C). Keep in a tightly closed container, and store in a corrosion proof area.
Specific End Use(s)	Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

Section 8. Exposure Controls and Personal Protection

Components with Workplace Control Parameters	No data available
Appropriate Engineering Controls	Ensure that there is adequate ventilation to prevent airborne levels from exceeding recommended exposure limits (see Section 2).
Eye/Face Protection	Face shield and chemical goggles
Skin Protection	Gloves
Body Protection	Chemical resistant clothing, such as a laboratory coat and/or a rubber apron, to prevent contact with eyes, skin, and clothing.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator. If the respirator is the only means of protection, use a full-face supplied air respirator.
Control of Environmental Exposure	No data available

Section 9. Physical and Chemical Properties

Appearance	Form: Liquid; Color: Colorless
Odor	Odorless
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point	0 °C
Initial Boiling Point and Boiling Range	100 °C (212 ° F) - lit.
Flash Point	None
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	17.542 mmHg @ 20 °C
Vapor Density	No data available
Relative Density	No data available
Water Solubility	Soluble
Partition Coefficient : n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available
Other Safety Information	No data available

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	No data available
Incompatible Materials	No data available

Section 11. Toxicological Information

Routes of Exposure	<i>On the skin:</i>	Irritant effect
	<i>On the eye:</i>	Irritant effect
	<i>Inhalation:</i>	May irritate upper respiratory tract.
	<i>Ingestion:</i>	May be harmful if swallowed.
Respiratory or Skin Sensitization	No sensitizing effects known	
Signs and Symptoms of Overexposure	No data available	
Toxicity Data	<i>Oral rat LD50</i>	No data available

Section 12. Ecological Information

General Notes No information is available.

Section 13. Disposal Considerations

Product	Recycle, if possible. Any material which cannot be saved for recovery or recycling should be disposed of at an appropriate and approved waste disposal facility. Processing, use, and/or contamination of this product may change waste management requirements. Observe all applicable federal, state, and local environmental regulations concerning disposal.
Contaminated Packaging	Recycle, if possible. Any material which cannot be saved for recovery or recycling should be disposed of at an appropriate and approved waste disposal facility. Processing, use, and/or contamination of this product may change waste management requirements. Observe all applicable federal, state, and local environmental regulations concerning disposal.

Section 14. Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Section 15. Regulatory Information

OSHA Status	No data available	
TSCA Status	No data available	
CERCLA Reportable Quantity	No data available	
SARA Title III	No data available	
RCRA Status	No data available	
California Proposition 65	No data available	
Chemical Weapons Convention	No data available	
TSCA 12 (b)	No data available	
SARA 311/312	Acute:	No data available
	Chronic:	No data available
	Fire:	No data available
	Pressure:	No data available
	Reactivity:	No data available
Australian Hazchem Code	None allocated	
Poison Schedule	None allocated	
WHMIS	No data available	

Section 16. Other Information

Date Prepared: April 10, 2005

Revised: May 21, 2015

For R&D use only. Not for drug, household, or other uses.

Judgements as to the suitability of information herein for the purchaser's purpose are necessarily the purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, OI Analytical extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the purchaser's intended purpose for consequences of its use.

© 2015 OI Analytical. License granted to make unlimited paper copies for internal use only.

OI Analytical, WTW, Global Water, and SI Analytics are trademarks of Xylem Inc. or one of its subsidiaries.



151 Graham Road
PO Box 9010
College Station, Texas
77842-9010

(979) 690-1711
(800) 653-1711 USA/Canada
FAX (979) 690-0440

www.oico.com
E-mail: OI-Mail@XylemInc.com