

OFI TESTING EQUIPMENT, INC.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT AND COMPANY IDENTIFICATION	
Chemical Name:	EDTA TITRANT SOLUTION, WITH PROPYLENE GLYCOL
Trade Name:	VERSENATE HARDNESS TITRATING SOLUTION, 1mL=4000 mg/L Ca ² & Mg ² , AF GRADE 205-17-6, 205-17-7, 205-17-8, 205-17-9
OFI Part No.	Ethylenediaminetetracetic Acid, Disodium Salt
Chemical Family:	C ₁₀ H ₁₄ O ₈ N ₂ Na ₂ :CH ₃ CHOHCH ₂ OH
Formula:	
Manufacturer:	OFI Testing Equipment, Inc. 11302 Steeplecrest Drive Houston, TX 77065 USA Phone: (713) 880-9885
In Case of Emergency Spills, Leaks, Fire, Exposure or Accident:	In the USA, call INFOTRAC at 1-800-535-5053 day or night Outside the USA, call collect, (352) 323-3500
SECTION II - HAZARD IDENTIFICATION	
Emergency Overview:	Caution! May Cause Irritation to Skin and Eyes.
Inhalation:	No Adverse Health Effects Expected from Inhalation.
Ingestion:	Substance has Low Toxicity by Ingestion. Large Amounts May Cause Gastrointestinal Upset due to Osmotic Imbalance Caused by its ability to Sequester Metal Ions.
Skin:	May Cause Irritation with Redness and Pain.
Eye Contact:	May Cause Irritation, Redness and Pain.
Chronic Exposure:	No Information Found.
Aggravated by Exposure:	No Information Found.
SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS	
CAS #:	CHEMICAL NAME
139-33-3	EDTA Disodium Salt 0.37 to 3.0%
57-55-6	Propylene Glycol <40%
SECTION IV - FIRST AID MEASURES	
Inhalation:	Not Expected to Require First Aid Measures
Ingestion:	If Large Amounts were Swallowed, Give Water to Drink and Get Medical Advice.
Skin:	Wash Exposed area with Soap and Water. Get Medical Advice if Irritation Develops.
Eyes:	In case of Contact, Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes, Lifting Upper and Lower Eyelids Occasionally. Call a Physician if Irritation Persists.
SECTION V - FIRE FIGHTING MEASURES	
Fire:	Not Considered to be a Fire Hazard.
Explosion:	Not Considered to be an Explosion Hazard.
Fire Extinguishing Media:	Use any Means Suitable for Extinguishing Surrounding Fire.
Special Information:	In the Event of Fire, Wear Full Protective Clothing and NIOSH-Approved Self-Contained Breathing Apparatus with Full Facepiece Operated in the Pressure Demand or Other Positive Pressure Mode.
SECTION VI - ACCIDENTAL RELEASE MEASURES	
	Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer.
SECTION VII - HANDLING AND STORAGE	
	Keep in a Tightly Closed Container, Stored in a Cool, Dry, Ventilated Area. Protect against Physical Damage. Protect from Freezing. Containers of this Material May be Hazardous when Empty Since they Retain Product Residues (Vapors, Liquid). Observe all Warnings and Precautions listed for the Product.
SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION	
Ventilation System:	Not Expected to Require any Special Ventilation.
Airborne Exposure Limits:	None Established.
Personal Respirators:	Not Expected to Require Personal Respirator Usage. (NIOSH APPROVED)
Skin Protection:	Wear Protective Gloves and Clean Body-Covering Clothing.
Eye Protection:	Use Chemical Safety Glasses. Maintain Eye Wash Fountain and Quick-Drench Facilities in Work Area.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES																
Appearance / Odor:	Clear Colorless Liquid / Odorless															
Solubility:	Soluble in Water															
Specific Gravity:	1.0															
pH:	No Information Found															
% Volatiles by Vol.:	No Information Found															
Melting Point:	-74.2 °F (-59 °C)															
Boiling Point:	370.4 °F (188°C)															
Vapor Density (Air=1):	No Information Found															
Vapor Pressure (mmHg):	No Information Found															
SECTION X - STABILITY AND REACTIVITY																
General Reactivity:	Stable Under Ordinary Conditions of Use and Storage.															
Hazardous Decomposition:	Burning may Produce Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides.															
Incompatibilities:	No Incompatibility Data Found.															
Hazardous Polymerization:	Will Not Occur.															
SECTION XI - TOXICOLOGICAL INFORMATION																
Carcinogenic References:	NTP Carcinogen - Known: No, IARC Category- None															
SECTION XII - ECOLOGICAL INFORMATION																
	No Information Found.															
SECTION XIII - DISPOSAL CONSIDERATIONS																
	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.															
SECTION XIV - TRANSPORT INFORMATION																
Hazard Class:	Not Regulated															
Identification No.:	Not Regulated															
SECTION XV - REGULATORY INFORMATION																
Chemical Inventory Status – Part 1:	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>TSCA</th> <th>EC</th> <th>Japan</th> <th>Australia</th> </tr> </thead> <tbody> <tr> <td>EDTA Disodium Salt (139-33-3)</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Propylene Glycol (57-55-6)</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table>	Ingredient	TSCA	EC	Japan	Australia	EDTA Disodium Salt (139-33-3)	Yes	Yes	Yes	Yes	Propylene Glycol (57-55-6)	Yes	Yes	Yes	Yes
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Chemical Weapons Convention:	No															
TSCA 12 (b):	No															
CDTA:	No															
SARA 311/312:	Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No (Mixture / Liquid)															
Australian Hazchem Code:	None allocated.															
Poison Schedule:	None allocated.															
SECTION XVI - OTHER INFORMATION																
NFPA Rating:	HEALTH-1, FLAMMABILITY-1, REACTIVITY-0															
Disclaimer:	The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).															