

MATERIAL SAFETY DATA SHEET

Versenate Hardness Titrating Solution

SECTION 1 . Product and Company Identification

Product Name and Versenate Hardness Titrating Solution

Product Code: 205-00

Material Uses:

OFI Testing Equipment Inc.

Health: 1

Flammability: 0

Manufacturer:

11302 Steeplecrest Dr.

Reactivity: 0

Houston, TX 77065

(877) 837-8683

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

NA=Not Applicable NE=Not
Established

Entry Date : 7/15/2013

Print Date: 7/15/2013

24 Hour Emergency Assistance : INFOTRAC USA - CANADA: 1-800-535-5053
INTERNATIONAL: 1-352-323-3500

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.

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 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
	Ethylenedinitrilotetra-acetic Acid,Disodium Salt	CAS# 6381-92-6	0.37%	W/V	None established
	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

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

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type:

None

Fire / Explosion Hazards:

Fire Fighting Procedure:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

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 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

Mechanical

Protective Gloves:

Gloves to prevent exposure

Eye Protection:

Safety Glasses
w/Side Shields

Other Protective Equipment:

Use safe laboratory handling procedures.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	<5°C	Percent Volatile by	>99
Boiling Point:	>95°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

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Flash Point: Not applicable

Specific Gravity: ~1

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition: Carbon monoxide, nitrogen oxides, ammonia

Products:

Hazardous polymerization: Will Not Occur

Conditions to Avoid: None known

SECTION 11

Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

SECTION 12

Ecological Information

No Information Found.

SECTION 13

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 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

Chemical Inventory Status –

Part 1:Ingredient

EDTA Disodium Salt (139-33-3)

TSCA Yes

EC Yes

Japan Yes

Australia Yes

Chemical Inventory Status –

Part 2:Ingredient

EDTA Disodium Salt (139-33-3)

Korea Yes

DSL Yes

NDSL No

Phil. Yes

Federal, State & International Regulations –

Part 1: Ingredient.

EDTA Disodium Salt (139-33-3)

RQ No

TPQ NO

List No

Chemical Catg No

Federal, State &

International Regulations –

Part 2:Ingredient

EDTA Disodium Salt (139-33-3)

Page 3 of 4 CERCLA No

261.33 No

8(d) No

Chemical Weapons Convention:No

TSCA 12 (b):No
CDTA:NO Mixture/Liquid)
SARA 311/312: Acute: Yes
Chronic: NO
Fire: No
Pressure: No
Reactivity: No
Australian Hazchem Code: None
Poison Schedule: None allocated

Any means suitable for extinguishing
surrounding fire

Versenate Hardness Titrating Solution

SECTION 16

Additional Information

Conditions aggravated/target organs: Persons with preexisting skin, eye and respiratory disorders may be more susceptible. Acute: Possible skin and eye irritation. Chronic: None known.

Flammability

Health

Reactivity

Revisions

7/29/2010

NFPA

0.1

updated msds to 16 section from 10 section msds. STN

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