

**MANUFACTURER OF  
EDTA & NTA**



**SHIV CHEM INDUSTRIES**



## INTRODUCTION

SHIV CHEM INDUSTRIES is a partnership firm register under M.S.M.E. /S.S.I. since 1987. The company is engaged in production of E.D.T.A.(Ethylene Diamine Tetra Acetic Acid), N.T.A. (Nitrilo Tri Acetic Acid) and their sodium salts & Sodium Monochloro Acetate. Products are used by a wide spectrum of industries like Agrochemical, Paper, Rubber, Leather, Agriculture, Cosmetic, Paint, Rayon, Electroplating, Pharmaceuticals, Soap and detergents, Textiles etc.

Shiv Chem Industries has earned a name of being a quality supplier. It is ISO 9001:2015 and ISO 14001:2015 certified company. It is located at Naroda G.I.D.C. connected to rail road and airport in Ahmadabad. Company has more than 8500sq feet manufacturing area.

Our industry is operated successfully with skills by Mr. Nilang Parikh (M.Sc.) and Mr.Parthiv Parikh (B.E. Electrical, M.B.A), technocrat of the industry guided by a senior Mr. Suresh Parikh (B.Sc,D.Pharm) having an experience of 40 years (10 years in USA as scientist) .The company has earned a name being a quality supplier controlled by a team of trained and qualified customer care professionals too.

## IMPORTANT FEATURES

We are a member of Common Effluent Treatment Plant (C.E.T.P.), where we dispose off the effluent, after being primary treated at our factory, for further secondary treatment.

We are a member of Eco-Care Infrastructures Private Limited and Naroda Enviro Project Ltd (N.E.P.L.), where we dispose off solid waste sludge at the site.

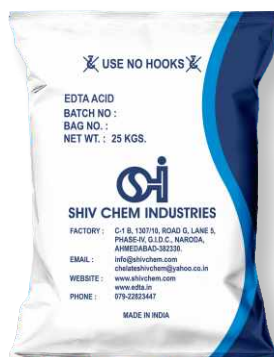
We have obtained the consent for manufacturing the above products and disposal of their solid waste, liquid effluent and air form Gujarat Pollution control board (G.P.C.B.)

We are also registered in Multi Stage Evaporator Project – C.S.P. (Zero discharge) also called Multi Effect Evaporator (M.E.E).

## EDTA ACID (EDETIC ACID)



**E.D.T.A. ACID**  
(Ethylene Diamine Tetra Acetic Acid)



### General Specification

1	C.A.S. No	60-00-4
2	Molecular formula	$C_{10}H_{16}N_2O_8$
3	Physical appearance	Crystal Powder
4	Color	White
5	Molecular weight	292.24
6	Purity	$99 \pm 1\%$
7	Chelation Value	330 Minium
8	pH in Saturated Solution	2.00 to 3.00
9	Solubility	Insoluble in water

## EDTA DISODIUM SALT



**E.D.T.A. Disodium Salt**



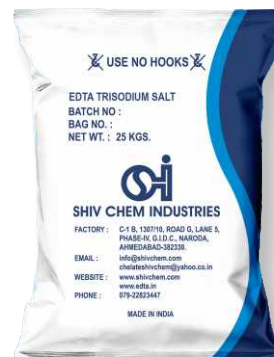
### General Specification

1	C.A.S. No	6381-92-6
2	Molecular formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
3	Physical appearance	Crystal Powder
4	Color	White
5	Molecular weight	372.24
6	Purity	$99 \pm 1\%$
7	Chelation Value	263 Minium
8	pH in Saturated Solution	4.00 to 6.00
9	Solubility	Soluble in water

## EDTA TRISODIUM SALT



**E.D.T.A. Trisodium Salt**



### General Specification

1	C.A.S. No	105-38-9
2	Molecular formula	$C_{10}H_{13}N_2O_8Na_3 \cdot 3H_2O$
3	Physical appearance	Powder
4	Color	White
5	Molecular weight	412.30
6	Purity	$99 \pm 1\%$
7	Chelation Value	245 Minium
8	pH in 5%	6.00 to 8.00
9	Solubility	Soluble in water

## EDTA TETRASODIUM SALT

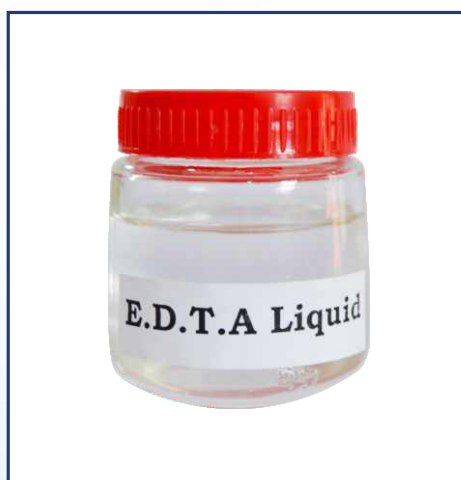


E.D.T.A. Tetrasodium Salt

### General Specification

1	C.A.S. No	13235-36-4
2	Molecular formula	$C_{10}H_{12}N_2O_8Na_4 \cdot 4H_2O$
3	Physical appearance	Powder
4	Color	Off-White
5	Molecular weight	452.23
6	Purity	99 ± 1%
7	Chelation Value	215 Minium
8	pH in 5%	10.00 to 12.00
9	Solubility	Soluble in water

## EDTA LIQUID (TETRASODIUM EDTA LIQUID)



### General Specification

		EL-100	EL-85	EL-50
1	C.A.S. No	64-02-8	64-02-8	64-02-8
2	Chemical formula	$C_{10}H_{12}N_2O_8Na_4$	$C_{10}H_{12}N_2O_8Na_4$	$C_{10}H_{12}N_2O_8Na_4$
3	Physical appearance	Liquid	Liquid	Liquid
4	Color	Clear To Pale Yellow	Clear To Pale Yellow	Clear To Pale Yellow
5	Active Ingredient	$Na_4EDTA$	$Na_4EDTA$	$Na_4EDTA$
6	Molecular Weight	380.00	380.00	380.00
7	Active Content	38 To 41	31 To 33	16 To 18
8	Chelation value	98 To 102	83 To 86	49 To 51
9	pH In 1% Solution	11.00 To 12.00	11.00 To 12.00	11.00 To 12.00

### PACKING :

EDTA liquid is packed in 40 kgs Virgin HDPE carboys or 250 Kgs HDPE barrels/drums , tanker load or as per customer's requirement.

## ZINC EDTA (CHELATED ZINC)



### General Specification

1	C.A.S. No	14025-21-9
2	Molecular formula	$C_{10}H_{12}ZnN_2Na_2O_8$
3	Physical appearance	Powder
4	Color	Off-White
5	Molecular weight	399.57
6	% of Zinc	12.00 %
7	pH in 5%	5.00 to 8.00
8	Solubility	Soluble in water

## IRON EDTA (CHELATED IRON)



### General Specification

1	C.A.S. No	15275-07-7
2	Molecular formula	$C_{10}H_{12}FeN_2O_8$
3	Physical appearance	Powder
4	Color	Yellow-Brown
5	Molecular weight	344.06
6	% of Zinc	12.00 %
7	pH in 5%	4.00 to 7.00
8	Solubility	Soluble in water

## COPPER EDTA (CHELATED COPPER)



### General Specification

1	C.A.S. No	14025-15-1
2	Molecular formula	$C_{10}H_{12}CuN_2Na_2O_8$
3	Physical appearance	Powder
4	Color	Blue
5	Molecular weight	397.74
6	% of Copper	12.00 %
7	pH in 5%	4.00 to 7.00
8	Solubility	Soluble in water

## CALCIUM EDTA (CHELATED CALCIUM)



### General Specification

1	C.A.S. No	62-33-9
2	Molecular formula	$C_{10}H_{12}CaN_2Na_2O_8$
3	Physical appearance	Powder
4	Color	White
5	Molecular weight	374.27
6	% of Ca	10.00 % Minium
7	pH in 5%	5.00 to 8.00
8	Solubility	Little Soluble in water

## MAGNESIUM EDTA (CHELATED MAGNESIUM)



### General Specification

1	C.A.S. No	14402-88-1
2	Chemical formula	$C_{10}H_{12}MgN_2Na_2O_8$
3	Physical appearance	Powder
4	Color	Off White
5	Molecular Weight	358.50
6	Megnesium Content	6.00 %
7	pH in 1% Solution	5.00 to 8.00
8	Solubility	Soluble in water

## MANGANESE EDTA (CHELATED MANGANESE)



### General Specification

1	C.A.S. No	15375-84-5
2	Chemical formula	$C_{10}H_{12}MnN_2Na_2O_8$
3	Physical appearance	Powder
4	Color	Off White
5	Molecular Weight	389.13
6	Megnesium Content	10.0% Min
7	pH in 1% Solution	5.00 to 8.00
8	Solubility	Soluble in water

## NTA ACID (NITRIL O TRI ACETIC ACID)

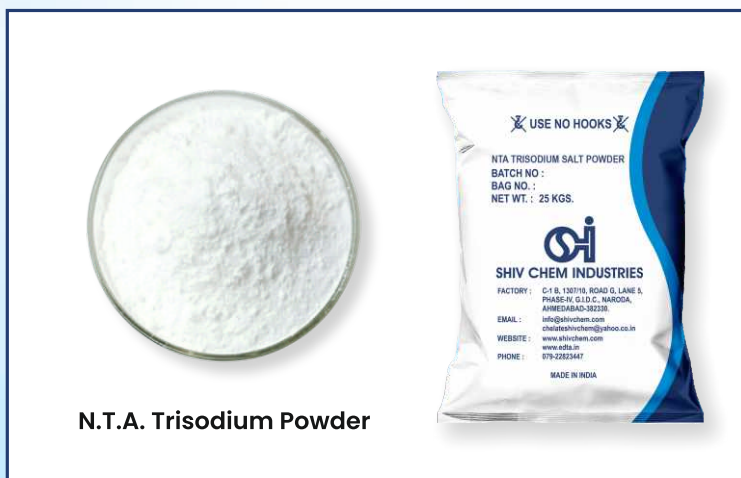


N.T.A. Acid

### General Specification

1	C.A.S. No	139-13-9
2	Molecular formula	$C_6H_9NO_6$
3	Physical appearance	Powder
4	Color	White
5	Molecular weight	191.14
6	Purity	98.00 Minium
7	Chelation Value	510 Minium
8	pH in 5%	2.00 to 3.00
9	Solubility	Insoluble in water

## NTA TRISODIUM SALT POWDER



N.T.A. Trisodium Powder

### General Specification

1	C.A.S. No	5064-31-3
2	Molecular formula	$C_6H_6NNa_3O_6$
3	Physical appearance	Powder
4	Color	Off White
5	Molecular weight	257.08
6	Purity	98.00 Minium
7	Chelation Value	380 Minium
8	pH in 5%	10.00 to 12.00
9	Solubility	Soluble in water

## NTA LIQUID (TRISODIUM NTA LIQUID)



N. T.A. Liquid

### General Specification

1	C.A.S. No	5064-31-3
2	Molecular formula	$C_6H_6NO_6Na_3$
3	Physical appearance	Liquid
4	Color	Clear to Pale Yellow
5	Molecular weight	257.08
6	Purity	39 % to 41 %
7	Chelation Value	152 Minium
8	pH in 5%	10.00 to 12.00
9	Solubility	Soluble in water



**SHIV CHEM INDUSTRIES**



+91-79-22823447 | +91-98255 77277 | +91-98253 12613



Chelateshivchem@yahoo.co.in | info@shivchem.com



www.shivchem.com | www.edta.in



Address: C-1/B, 1307/10, Road-G, Lane-5, Phase-IV,  
GIDC, Naroda, Ahmedabad - 382330, Gujarat, India.