

# IRON EDTA (CHELATED IRON)



## General Specification

1	C.A.S. No	18154-32-0
2	Chemical Formula	$C_{10}H_{12}N_2O_8NaFe \cdot 3H_2O$
3	Physical Appearance	Powder
4	Color	Yellow-Brown
5	Molecular Weight	421.09
6	Active Content	12.0% $\pm$ 1.0%
7	pH In 5% Solution	4.0 to 7.0
8	Solubility	Soluble in Water

## Description

A high Grade of iron EDTA is manufacture by Shiv chem industries since 1987. We are manufacture and Exporter of iron EDTA. Iron EDTA is a metal Chelator agent or sequestering agent. It is yellow- brown free flow powder. It is soluble in water. Iron EDTA is manufactured by reaction of EDTA acid, distilled water, caustic flakes and ferrous oxide at high temperature. It is also called chelated iron, EDTA ferric, EDTA ferric disodium or Ethylene Diamine tetra acetic acid iron salt.

## Handling

Iron EDTA causes serious irritant to eyes and skin. While handling this product, please wear goggles, gloves and safety shoes. Handle with care, no hooks allowed. In case of large spillage wash it with plenty of water. In case of injury to skin, wash it with water and then wash thoroughly with neutral soap and water. Regardless of the seriousness of the case, medical attention should be sought.

## Storages

Iron EDTA is stored in a cool dry place. Ensure proper ventilation in storage area. Keep them away from heat sources, direct sun light and moisture. It is stored in container made of, or lined with polyethylene, polypropylene or high density polyethylene.

## Packing

Iron EDTA is packed in 25 Kgs HDPE bag / Paper bag containing polyethylene liner inside, or as per customer's requirement.

## Applications

Iron EDTA is a water-soluble micronutrient fertilizer that helps plants grow and develop. It's used to treat iron deficiencies, improve plant health, and increase crop yield.

Iron EDTA is commonly used as a foliar application in horticulture crops to address Iron deficiencies.

Iron EDTA can be applied as a foliar sprays. Iron EDTA has been used as a chelating agent to enhance elimination of certain toxic metals. It also binds with heavy metals in the body. It is used to treat lead poisoning.

Iron EDTA can help with iron deficiencies that cause stunted growth, blossom drop, and leaf distortion and can help plants grow larger and produce more fruits and vegetables. Also helps improve soil structure and nutrient availability.

Iron EDTA is used in in pharmaceutical products to imposed stability and agricultural chemical sprays.

Iron EDTA is a metal ion chelator used to reduce blood concentrations and depot stores of lead from the body. Also used in zinc and manganese poisoning & certain heavy radioisotopes.

Iron EDTA is used in Bio gas plant.



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