

EDTA –Mn-13

(Ethylenediaminetetraacetic acid manganese disodium complex)

Molecular Formula	C ₁₀ H ₁₂ N ₂ O ₈ Mn Na ₂
Molecular Weight	389.1
CAS No	15375-84-5

Physical Properties

Appearance	.....	Pure Light pink Powder
soluble in Water	....	≤0.01%
Chlorides (Cl) :		≤0.05%
Sulphate (SO ₄):		≤ 0.05%

Specification

Purity	.....	99% up
Mn Content	.....	13% ± 0.5%
pH of (1% aqueous solution )	.....	6.0---7.0
Chelating Value (as mg CaCO ₃ /g)		
Melting point :		100 °C
Density (WATER=1):		approx 1.319G/ML

Environmental Aspects

Biodegradability	difficult
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Application

It can be used as micronutrient in agriculture, necessary element of fertilizer for soil, leaf surface of plants and corps in horticulture, and also as micronutrient in water cultivation.

Packing

25kg complex bag or kraft bag with plastic inner .
18MT/FCL with Pallet
20MT/FCL without Pallet

Storage

Store on a dry place
Opened bags must be closed again properly.

Safety Precautions in Handling

Open the container carefully, contents may be under pressure and has a mild odor of ammonia. Eye protection and gloves.
do not inhale or ingest, avoid contacting with the skin and protect the eye from splashes.
Wear safety goggles, gloves and a mask if there is a risk of repeated contact.
Wash thoroughly after handling

First-aid Measures

Skin contact : wash with plenty of water
Splashes in the eyes: wash with water at low pressure then with a neutral solution of boric acid.
Consult an ophthalmologist.
Ingestion : make the victim vomit if he/she is conscious and consult a doctor if necessary.