



CRABION-TS

PRODUCT INFORMATION

2000. 1. 1.

CHEMICAL NAME

Ethylenediaminetetraacetic acid, tetrasodium salt/ EDTA - 4 Na
(CAS - No. : 64-02-8)

MOLECULAR FORMULA

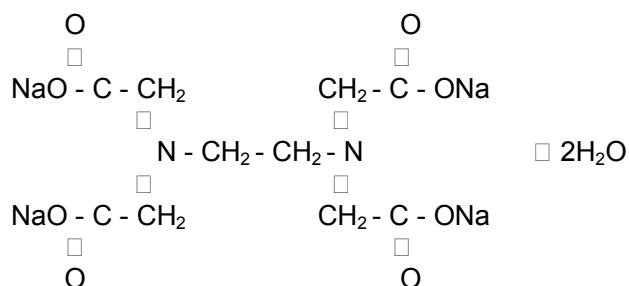
$C_{10}H_{12}N_2O_8Na_4 \cdot 2H_2O$

MOLECULAR WEIGHT

380.2^{*}/416.2

* Anhydrous

STRUCTURE



SPECIFICATIONS

- o. Appearance : white crystalline powder
- o. Purity : 98% up (after dehydration at 80° for 5 hours)
- o. pH of 1% aqueous solution : 10.5 ~ 11.5
- o. Chelating value (as mg CaCO₃/g) : 225 up

ENVIRONMENTAL ASPECTS

- o. Biodegradability : difficult
- o. C. O. D. : approx. 630mg/g

APPLICATIONS

Application area	Function
o. cleaning industry	hardness controller
o. detergents & soaps	stabilizer
o. disinfectant	potentiator
o. metal treatment	metal remover
o. oil field	scale dissolver
o. polymer processing	stabilizer
o. pulp & paper industry	bleach stabilizer
o. textile industry	bleach & dye stabilizer

PACKING

25kg net in multiply paper bags with valve and inside polyethylene bag

STORAGE

- o. Store in a dry place.
- o. Opened bags must be closed again properly.

SAFETY PRECAUTIONS IN HANDLING

- o. Do not inhale or ingest, avoid contacting with the skin and protect the eyes from splashes.
- o. Wear safety goggles, gloves and a mask if there is a risk of repeated contact.
- o. Wash thoroughly after handling.

FIRST-AID MEASURES

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

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Specifications of Crabion-TS (EDTA 4Na□2H₂O)

<u>Items</u>	<u>Unit</u>	<u>Specification</u>
Appearance	-	white powder
Purity (as 4Na□2H ₂ O)	wt%	98.0 min.
Appearance in water solution (2% aqueous solution)	-	clear
pH (1% aqueous solution)	-	10.5-11.5
Color (30% aqueous solution)	APHA	80 max.
Heavy metal (as Pb)	ppm	5 max.
Fe	ppm	10 max.
Chelating Value (as CaCO ₃)	mg/g	225 min.