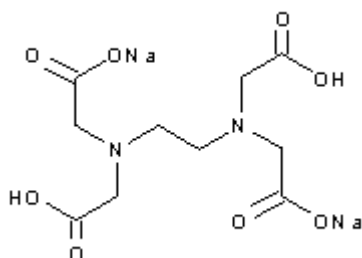


PRODUCT CODE: 131669

EDTA Disodium Salt 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$



M.= 372,24

CAS [6381-92-6]

EINECS 205-358-3

TARIC 2922 49 85 90

SYNONYMS: Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediy-bis[N-(Carboxymethyl)Glycine]

PHYSICAL DATA: crystalline powder, White, Soluble in water, practically insoluble in ethanol 96%. • M.P.: 248 - 254 °C • pH(50 g/l)4 - 5 • Ign. T.:>200 °C •

BIBLIOGRAPHY: Merck Index **12**, 3.556 13, 633 Safety **2**, **1606 D** • Beilstein **4**, **III**, **1187 IV**, **2451** • BRN 3900609 • Fieser 1373 • ACS **XI** • ISO 6353/2-1983 R - 12, 6 • BP.**2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **11 12** •

HAZARDOUS: RTECS: AH 4375000 • LD50 oral rat 2.800 mg/kg • LC50 rat 30mg/m³ / (5 d, 6h) • TWA (If inhaled) 10 mg/m³ TWA (respirable dust) 3 mg/m³ DNEL 2,5 mg/m³ DNEL 1,5 mg/m³ DNEL 25mg/kg/24h PNEC 2.5mg/l PNEC 0.25mg/l PNEC 1.4mg/l PNEC 50mg/l PNEC 0.84mg/kg



H: H332 • H373 •

P: P260 • P261 • P271 • P304+P340 • P312 • P314 • P501 •

OBSERVATIONS: Storage away from direct light. •

SPECIFICATIONS:

Assay (Compl.)	99,0-101,0%
Identity :	
Identity	IR passes test
pH of 5% solution	4,0-5,0

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in H ₂ O	0,005 %
Loss on drying at 150°C	8,7 - 11,4 %
Chloride (Cl)	0,005%
Sulfate (SO ₄)	0,01%
Nitilotriacetic Acid [(CH ₂ COOH) ₃ N]	0,05%
Heavy metals (as Pb)	0,001%
As	0,0005 %
Ca	0,002 %
Cu	0,0001 %
Fe	0,0005 %
Ni	0,0005 %
Pb	0,0005 %