

## Product Datasheet

### GE3023 - EDTA disodium salt

### dihydrate

#### Product Details

Product Name	EDTA disodium salt dihydrate
Glenthams Code	GE3023
CAS Number	6381-92-6
EINECS	205-358-3
MDL Number	MFCD00150037
Additional CAS	139-33-3
PubChem SID	310272505
Related Categories	Biochemicals, Buffers, Raw Materials (IVD), PCR, Reagents for Gel Electrophoresis of DNA/RNA, Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Northern and Southern Blotting, Reagents for Western Blotting

#### Hazards and Transport

Not classified as dangerous for transport.

CLP Classification Acute Tox. 4, STOT RE 2

Signal Word Warning

Hazard Codes H332, H373

Precautionary Codes P260, P314, P304+P340

Pictograms

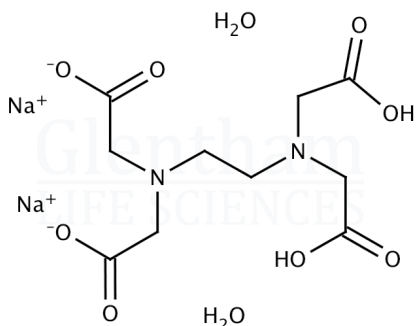


#### Glenthams Product Specification

Physical Description	: White crystalline powder
Solubility (10% in water)	: Clear, colourless solution
pH (5% in water)	: 4.0 - 5.0
Loss on Drying	: 8.5 - 10.7 % (200°C, const.)
Assay (Titration)	: 99.0 - 101.0 % (as ·2H <sub>2</sub> O)
Version	: v1.1

#### Structure

Molecular Weight : 372.24  
Molecular Formula : C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub> · 2H<sub>2</sub>O



#### Storage

Recommended storage temperature: +20°C.

#### About EDTA disodium salt dihydrate

The disodium dihydrate form of EDTA, a hexadentate ligand used as a chelating agent. Due to its ability to sequester metal ions it has a wide range of uses, ranging from molecular biology to cosmetics and pharmaceutical research. In the biochemistry and molecular biology laboratory, EDTA disodium salt dihydrate can be used to deactivate enzymes when working with nucleic acids, proteins and polysaccharides. It is also used as a component in biological buffer solutions.