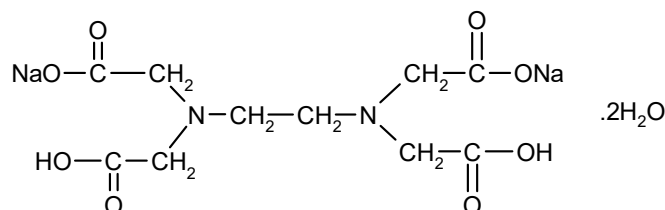


Dissolvine[®] NA2-S

Chemical Name Ethylenediaminetetraacetic acid, disodium salt

Chemical formula EDTA-Na₂H₂.2H₂O

Structure



Mol. Weight 372.2

CAS Number 6381-92-6 (dihydrate)
139-33-3 (anhydrous)

Specifications

| Characteristic | Specification |
|---|-----------------------------------|
| Appearance | Free flowing white crystalline |
| Active ingredient as EDTANa ₂ .2H ₂ O | 99.3 % min |
| Chelation value (CaCV) | 266.7 mg CaCO ₃ /g min |
| pH of a 5% w/w solution | 4.0 - 6.0 |
| Heavy metals as Pb | 5.0 ppm max |

Main Characteristics

Dissolvine[®] NA2-S is a sequestering agent of high purity forming stable, water-soluble chelates with polyvalent metal ions in a wide pH range.

| | |
|--------------------------------|--------------------------------------|
| Solubility in water | : approx. 100 g/l water (20°C) |
| | : approx. 135 g/l water (40°C) |
| | : approx. 230 g/l water (80°C) |
| Bulk density untapped (poured) | : approx. 500-700 kg/m ³ |
| Bulk density tapped | : approx. 800-1000 kg/m ³ |

Sequestering values for Dissolvine[®] NA2-S are approximately (theoretical calculated figures):

| Metal ion | pH range | mg metal/g Dissolvine[®] NA2-S |
|------------------|-----------------|--|
| calcium | 5 - 14 | 105 |
| copper | 2 - 14 | 170 |
| ferric | 1 - 10 | 150 |
| magnesium | 6 - 11 | 65 |
| manganese | 3 - 13 | 145 |
| zinc | 2 - 13 | 175 |

Dissolvine[®] NA2-S

| | |
|------------------------------|---|
| Applications | In the detergent industry as stabilizer. In the chemical industry as metal carrier in redox systems. In the cosmetic industry as stabilizer for preparations. In the printing industry to control hardness and as stabilizer. |
| Environmental aspects | Inherently biodegradable. Rapid biodegradation can be obtained under slightly alkaline conditions. COD: approx. 630 mg/g |
| Packing | For information on possible packing types and sizes, please contact your nearest Nouryon representative. |
| Storage | Store in original packing at a dry place. Opened bags must be closed again properly. It is advised to re-test the material after three years of storage |
| Further information | For transport, handling and first aid instructions, please refer to the Safety Data Sheet, which is available on request. For samples, technical service and further information, please contact your nearest Nouryon representative or: |
| Internet | www.dissolvine.com |
| Addresses | Europe, Middle East and Africa E: eur@dissolvine.com North, Central and South America E: nam@dissolvine.com Asia Pacific E: ap@dissolvine.com You can find the addresses of our offices at https://chelates.nouryon.com/locations/ |