



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### TETRASODIUM EDTA POWDER (DABEERSEN Na<sub>4</sub>C<sub>2</sub>)

| Code No. | SCN No. | CAS No.    | Effective Date     | Product Manger | Rev. No. | Approved By |
|----------|---------|------------|--------------------|----------------|----------|-------------|
| TEEAVN   | 1792    | 10378-23-1 | September 16, 2009 | MPR            | No. 7    | RVK         |

|                         |                        |
|-------------------------|------------------------|
| <b>CHARACTERISTICS:</b> | Odorless, white powder |
|-------------------------|------------------------|

| SPECIFICATIONS: | Identification                          |                                 |
|-----------------|---|---------------------------------|
|                 | A                                       | To pass test                    |
|                 | B                                       | To pass test                    |
|                 | Assay (as % of EDTA)                    | 69.5-73.0% max                  |
|                 | Assay (as tetrasodium EDTA Dihydrate %) | 99% min                         |
|                 | Chelating power per gram                | 238 mg CaCO <sub>3</sub> /g min |
|                 | Solubility (20°C, 1g/100 ml)            | Completely soluble              |
|                 | pH (1% solution)                        | 10.7-11.7                       |
|                 | Free Alkali (as NaOH)                   | 0.5% max                        |
|                 | Heavy metals (as Pb)                    | 20 ppm max                      |
|                 | Lead                                    | 10 ppm max                      |
|                 | Arsenic                                 | 3 ppm max                       |
|                 | Mercury                                 | 1 ppm max                       |

|                   |  |
|-------------------|--|
| <b>PACKAGING:</b> | Multiwall 25 kg paper bag, 30 bags per pallet, stretch-wrapped |
|-------------------|--|

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|----------------------|--|
| <b>APPLICATIONS:</b> | <p>Detergents: To reduce the hardness of the water and to eliminate traces of harmful metal ions (i.e., iron) which act as catalysts for bleaching agents. The presence of EDTA will inhibit this. Additionally, EDTA is used in detergent formulations to inhibit the precipitation of calcium and magnesium salts, which may be deposited on glassware resulting in a dull or spotty appearance.</p> <p>Water Treatment: To control water hardness and to eliminate or inhibit scaling.</p> <p>Textile Processing: To stabilize dye baths by removing metal ions, which may be harmful to bleaching and dyeing operations.</p> |
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| <b>OTHER:</b> | ISO 9001 Certified |
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