Product Specification

cdhfinechemical.com

# TRANS-1,2 DIAMINO CYCLOHEXANE N,N,N,N TETRA ACETIC ACID (CDTA) AR/ACS

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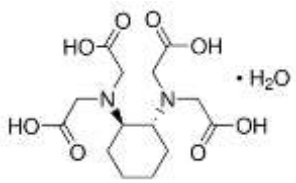
|---|---|
| **PRODUCT CODE** | **H12875** |
| **SYNONYMS** | **(1 ,2-cyclohexanediamine tetraacetic acid; CDTA)** |
| **C.I. NO.** | **--** |
| **CASR NO.** | **(125572-95-4)** |
| **ATOMIC OR MOLECULAR FORMULA** | **$C_{14}H_{22}N_2O_8.H_2O$** |
| **ATOMIC OR MOLECULAR WEIGHT** | **364.35** |
| **PROPERTIES** | **Very slightly soluble in water and insoluble in most common organic solvents.** |



| **PARAMETER** | **LIMIT** |
|---|---|
| Description | A white crystalline powder. |
| Solubility | 4 gm sample in 50 ml of 1 N NaOH and 50 ml of water; solution is clear and colourless. |
| Minimum Assay (Complexometric) | 99.0% |
| Melting range | 213-216$^0$C |

| **MAXIMUM LIMIT OF IMPURITIES** | |
|---|---|
| Water | 4.00-6.90% |
| Chloride (Cl) | 0.01% |
| Sulphated ash | 0.1% |
| Sulphate ($SO_4$) | 0 .01% |
| Heavy metal (Pb) | 0.001% |
| Iron (Fe) | 0.001% |

**Note(s) : 1] Assay (if applicable) method mentioned.**

**WARNING**

**Hazard statements :**May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

**Precautionary statements**

**Prevention:** Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

IMDG Code :
UN No. :
IATA :

Hazard Pictogram(s) :

GHS07