

**Safety Data Sheet**  
**According to Regulation (EU) No. 1907/2006, Annex II,**  
**Amended by REGULATION (EU) No 453/2010**

COPPER DISODIUM EDTA

SDS Record Number: CSSS-TCO-010-100204

Printing date: 16/11/2013

Version 2.1

Revision date: 16/11/2013

**1 Identification of the substance and of the company/undertaking**

**1.1 Product identifier:**

Identification on the label/Trade name: EDTA CuNa2  
Additional identification: EDTA CuNa2  
Identification of the product: CAS#14025-15-1; EC#237-864-5  
Index Number: Not available  
REACH registration No.: Not available

**1.2 Relevant identified uses of the substance and uses advised against:**

**1.2.1 Identified uses:**

Used for carburizing steel, leather tanning, dyeing, printing, pharmaceutical.

**1.2.2 Uses advised against:**

Not available.

**1.3 Details of the supplier of the safety data sheet:**

Supplier(Only representative): Chemical Inspection & Regulation Service Limited  
Supplier(Manufacturer): Shijiazhuang Jackchem Co., Ltd  
Address: Douyu Industrial Park, Luancheng County, Shijiazhuang City, Hebei Province, P.R.China  
Contact person(E-mail): jackchem@jackchem.com.cn  
Telephone: +86-311-8463 5784  
Fax: +86-311-8463 6311

**1.4 Emergency telephone Number:**

+353-41-980 6916

Available outside office hours?

YES

NO

**2 Hazards Identification**

**2.1 Classification of the substance**

**2.1.1 Classification:**

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

| REGULATION (EC) No 1272/2008     |                  |
|----------------------------------|------------------|
| Hazard classes/Hazard categories | Hazard statement |
| N/A                              | N/A              |

For full text of H- phrases: see section 2.2.

| 67/548/EEC              |           |
|-------------------------|-----------|
| Hazards characteristics | R-Phrases |
| N/A                     | N/A       |

For full text of R- phrases: see section 16.

**2.1.2 The most important adverse effects**

**2.1.2.1 The most important adverse physicochemical effects:**

Not applicable.

**2.1.2.2 The most important adverse human health effects:**

Not applicable.

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**2.1.2.3 The most important adverse environmental effects:**

Not applicable

**2.2 label elements**

**Hazard Pictograms:** No pictogram is used.  
**Signal Word(S):** No signal word is used.  
**Hazard Statement:** Not applicable  
**Precautionary Statement:** Not applicable

**2.3 Other hazards**

Not available (PBT,vPvB, Substance is an endocrine disruptor etc.)

**3 Composition/information on ingredients**

**Substance/Mixture:** Substance

**Ingredient(s):**

| Chemical Name | Registration No. | CAS No.    | EC No.    | Concentration |
|---------------|------------------|------------|-----------|---------------|
| EDTA CuNa2    | N/A              | 14025-15-1 | 237-864-5 | ≥99.0%        |

**4 First aid measures**

**4.1 Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

**4.1.1 In case of inhalation:**

Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**4.1.2 In case of skin contact:**

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

**4.1.3 In case of eyes contact:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**4.1.4 In case of ingestion:**

Wash out mouth, then dilute by drinking several glasses of water.

**4.2 Most important symptoms and effects, both acute and delayed**

The product is not classified as hazard to human health.

**4.3 Indication of any immediate medical attention and special treatment needed**

If skin irritation or rash occurs, get medical advice/attention.

**5 Fire-Fighting measures**

**5.1 Extinguishing media:**

**Suitable extinguishing media:** Use media that is appropriate to treat surrounding fire.

**Unsuitable extinguishing media:** Not available.

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**5.2 Special hazards arising from the substance or mixture**

May produce toxic fumes upon decomposition.

**5.3 Advice for fire-fighters:**

Use fire fighting procedure that is appropriate to treat surrounding fire.

**6 Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**6.1.1 For non-emergency personnel:**

Remove all sources of ignition. Ventilate area of leak or spill.

**6.1.2 For emergency responders:**

Wear appropriate personal protective equipment as specified in section 8.

**6.2 Environmental Precautions:**

Avoid disposing directly into the aquatic environment without any operations. Cover with damp absorbent (inert material, sand or soil).

**6.3 Methods for Containment and Cleaning up:**

Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

**6.5 Additional information:**

Hold for waste disposal.

Ventilate area and wash spill site after material pickup is complete.

**7 Handling and storage**

**7.1 Precautions for safe handling:**

**7.1.1 Protective measures:**

Handle in well ventilated areas. Eliminate all sources of ignition, and do not generate flames or sparks. Take precautionary measures against static discharges.

**7.1.2 Advice on general occupational hygiene:**

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep in a tightly closed light-resistant container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.

**7.3 Specific end use(s):**

Not applicable.

**8 Exposure control/personal protection**

**8.1 Control parameters:**

**8.1.1 Occupational exposure limits:** As Copper

OSHA and NIOSH 0.1mg/m<sup>3</sup> for fume and 1 mg/m<sup>3</sup> for dust and mist.

ACGIH 0.2 mg/m<sup>3</sup> for fume and 1 mg/m<sup>3</sup> for dust and mist.

**8.1.2 Additional exposure limits under the conditions of use:** Not available.

Shijiazhuang Jackchem Company Limited

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**8.1.3 DNEL/DMEL and PNEC-Values:** Not available.

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls:**

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**8.2.2 Individual protection measures, such as personal protective equipment:**

Eye/face protection            Use chemical safety goggles to prevent skin exposure.

Hand protection                Wear appropriate gloves to prevent skin exposure.

Body protection                Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection        A NOISE/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

Thermal hazards                Wear suitable protective clothing to prevent heat.

**8.2.3 Environmental exposure controls:**

Handling according to local regulations, Federal and official regulations.

**9 Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

|  |                      |
|--|----------------------|
| Appearance:                                | Solid                |
| Colour:                                    | Not available        |
| Odour:                                     | Not available        |
| Odour threshold:                           | Not available        |
| pH:  | ~6.5 (@ 1% solution) |
| Melting point/range (°C):                  | Not available        |
| Boiling point/range (°C) :                 | Not available        |
| Flash point (°C) :                         | Not available        |
| Evaporation rate:                          | Not applicable       |
| Flammability (solid, gas);                 | Not flammable        |
| Ignition temperature (°C) :                | Not determined       |
| Upper/lower flammability/explosive limits: | Not determined       |
| Vapour pressure (20°C) :                   | Not determined       |
| Vapour density:                            | Not applicable       |
| Relative Density (25°C):                   | Not available        |
| Bulk density (kg/m <sup>3</sup> ) :        | Not determined       |
| Water solubility (g/l):                    | Appreciable 1200g/L  |
| n-Octanol/Water (log Po/w) :               | Not determined       |
| Auto-ignition temperature:                 | Not determined       |
| Decomposition temperature:                 | >200°C               |
| Viscosity, dynamic (mPa s) :               | Not determined       |
| Explosive properties:                      | Not determined       |
| Oxidising properties:                      | Not applicable       |

**9.2. Other information:**

|  |               |
|--|---------------|
| Fat solubility(solvent-oil to be specified) etc: | Not available |
| Surface tension:                                 | Not available |
| Dissociation constant in water( pKa):            | Not available |
| Oxidation-reduction Potential:                   | Not available |

**10 Stability and reactivity**

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**10.1 Reactivity:**

The substance is stable under normal storage and handling conditions.

**10.2 Chemical stability:**

Under normal conditions, the product is stable. No hazardous reaction when handled and stored according to provisions.  
Hazardous reactions are not known.

**10.3 Possibility of hazardous reactions:**

Under normal conditions, not hazardous reactions will occur.

**10.4 Conditions to avoid:**

Not Available

**10.5 Incompatible materials:**

Not Available

**10.6 Hazardous decomposition products:**

Nitrous vapors may be produced.

**11 Toxicological information**

**11.1 Toxicokinetics, metabolism and distribution**

**Non-human toxicological data:** Not available

**Method:** Not available

**Dosis:** Not available

**Routes of administration:** Not available

**Results:** Not available

**Absorption:** Not available

**Distribution:** Not available

**Metabolism:** Not available

**Excretion:** Not available

**11.2 Information on toxicological effects**

**Acute toxicity:**

|                        |                   |
|------------------------|-------------------|
| LD50( Oral, Rat):      | >1750mg/kg        |
| LD50(Skin, Rabbit):    | No data available |
| LD50(Inhalation, Rat): | Not available     |

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**reproductive toxicity:** Not classified

**STOT- single exposure:** Not classified

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**STOT-repeated exposure:** Not classified

**Aspiration hazard:** Not classified

**12 Ecological information**

**Toxicity:**

| <b>Acute toxicity</b> |     | <b>Time</b> | <b>Species</b> | <b>Method</b> | <b>Evaluation</b> | <b>Remarks</b> |
|-----------------------|-----|-------------|----------------|---------------|-------------------|----------------|
| LC50                  | N/A | 96h         | Fish           | OECD 203      | N/A               | N/A            |
| LC50                  | N/A | 48h         | Daphnia        | OECD 202      | N/A               | N/A            |
| EC50                  | N/A | 96h         | Algae          | OECD 201      | N/A               | N/A            |

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** Not available.

**Mobility in soil:** Not available.

**Results of PBT&vPvB assessment:** Not applicable.

**Other adverse effects:** Not applicable.

**13 Disposal considerations**

**13.1 Waste treatment methods**

Refer to State Waste Management Authority. According to local regulations, Federal and official regulations.

**13.2 Product / Packaging disposal:**

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

**14 Transport information**

|   | <b>Land transport (ADR/RID)</b> | <b>Sea transport (IMDG)</b> | <b>Air transport (ICAO/IATA)</b> |
|---|---------------------------------|-----------------------------|----------------------------------|
| <b>UN-Number:</b>   | Not regulated                   | Not regulated               | Not regulated                    |
| <b>UN Proper shipping name:</b>   | Not regulated                   | Not regulated               | Not regulated                    |
| <b>Transport hazard Class:</b>  | Not regulated                   | Not regulated               | Not regulated                    |
| <b>Packaging group:</b>   | Not regulated                   | Not regulated               | Not regulated                    |
| <b>Environmental hazards:</b>   | Not regulated                   | Not regulated               | Not regulated                    |
| <b>Special precautions for user:</b>  | See section 2.2                 | See section 2.2             | See section 2.2                  |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not regulated                   | Not regulated               | Not regulated                    |

**15 Regulation information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Relevant information regarding authorization:** Not applicable.

**Relevant information regarding restriction:** Not applicable.

**Other EU regulations:** Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

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**Other National regulations:**

Not applicable

**Chemical Safety Assessment has been carried out?**

YES

NO

**16 Other information**

**16.1 Indication of changes**

Version 2.1 Amended by EU No 453/2013

**16.2 Relevant R- phrases (number and full text):**

Not applicable.

**16.3 Training instructions:**

Not applicable.

**16.4 Further information:**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**16.5 Notice to reader:**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.