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Material Safety Data Sheet

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

ZINC DISODIUM EDTA

SDS Record Number: CSSS-TCO-010-100205

Printing date: 16/11/2010 **Version 1.1** **Revision date: 16/11/2010**

1 Identification of the substance and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name:	ZINC DISODIUM EDTA
Additional identification:	ZINC DISODIUM EDTA
Identification of the product:	CAS#14025-21-9; EC#237-865-0
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	YUFENG INTERNATIONAL CO.,LTD.
Address:	Room 2008 Jinling Office Building No.1 Xianqian East Street 214007 Wuxi China,
Contact person(E-mail):	info@yufenggp.com
Telephone:	+86-0510-82322996
Fax:	+86 -510-82305996

1.4 Emergency telephone Number:

+86-0510-82322996

Available outside office hours? YES [ ] NO [X]

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.

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
ZINC DISODIUM EDTA	N/A	14025-21-9	237-865-0	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.

5.2 Special hazards arising from the substance or mixture

May produce toxic fumes upon decomposition.

5.3 Advice for fire-fighters:

In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

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

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

8.2 Exposure controls

8.2.1Appropriate 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 appreciate 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^3) :	Not determined
Water solubility (g/l) :	Appreciable 1000 g/L
n-Octanol/Water (log Po/w) :	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	> 300°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

10.1 Reactivity:

The substance is stable under normal storage and handling conditions.

10.2 Chemical stability:

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions:

Under normal conditions, not hazardous reactions will occur.

10.4 Conditions to avoid:

Available

10.5 Incompatible materials:

Available

10.6 Hazardous decomposition products:

Nitrous fumes may be produced

11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution

Non-human toxikological data:

Method:

Dosis:

Routes of administration:

Results:

Absorption:

Distribution:

Metabolism:

Excretion:

11.2 Information on toxicological effects

Acute toxicity:

LD50(Oral, Rat):	> 2000 mg/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
STOT-repeated exposure:	Not classified

Aspiration hazard: Not classified

12 Ecological information

Toxicity:

Acute toxicity		*Time*	*Species*	*Method*	*Evaluation*	*Remarks*
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

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

Chemical Safety Assessment has been carried out?	YES		NO	X	

16 Other information

16.1 Indication of changes Version 1.1 Amended by EU No 453/2010

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.