

SHIJIAZHUANG JACKCHEM CO.,LTD

Material Safety Data Sheet

1. Identification

Product identifier:

Trade name: **EDTA-FeNa 13%**

Substance name: Ethylenediaminetetraacetic acid ferric sodium salt

CAS No.: 15708-41-5

Other means of identification:

Not available

Recommended use of the chemical and restrictions on use

Recommended use of the substance or mixture: **Laboratory chemicals, Manufacture of substances**

Restrictions on use: There are no known uses of this chemical that are specifically advised against.

Manufacturer/supplier:

Shijiazhuang Jackchem Co.,Ltd

Address:Douyu industrial park•Luancheng•Shijiazhuang•Hebei•China.

Contact person(E-mail): jackchem@jackchem.com.cn

Tel: +86-(0)311-85469515 / 85468398

Fax: +86-(0)311-85468798

Emergency telephone number:

+86-(0)311-85469515 / 85468398



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2. Hazard(s) Identification

Classification:

Classification according to Regulation (EC) No 1272/2011 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
N/A	N/A

The most important adverse effects

The most important adverse physicochemical effects:Not applicable.

The most important adverse human health effects:Not applicable.

The most important adverse environmental effects:Not applicable.

Label elements

Labelling according Regulation (EC) No 1272/2011 [CLP]

Hazard Pictograms: No hazard pictogram is used.

Signal Word(S): No signal word is used.

Hazard Statement: Not applicable.

Precautionary Statement: Not applicable.

Other hazards: Not available.

3. Composition/information on ingredients

Chemical name: Ethylenediaminetetraacetic acid ferric sodium salt

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CAS NO.: 15708-41-5

EC NO.: 239-802-2

4. First-aid measures

Description of first aid measures:

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

In case of inhalation:

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

In case of skin contact:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

In case of eyes contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

In case of ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Most important symptoms and effects, both acute and delayed

The product is not classified as harmful to human health effect.

Indication of any immediate medical attention and special treatment needed

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

5. Fire-fighting and measures

Extinguishing media:

Suitable extinguishing media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture

None hazard product.

Advice for fire-fighters:

Wear self-contained breathing apparatus (positive pressure, if available) and full protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Wear protective gloves/protective clothing/eye protection/face protection.

For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.

Environmental Precautions:

Do not allow material to be released to the environment without proper governmental permits

Methods for Containment and Cleaning up:

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Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

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.

Additional information:

Wet clean or vacuum up solids.

Don't use a brush or compressed air for cleaning surfaces or clothing. Clear spills immediately.

7. Handling and storage

Precautions for safe handling:

Protective measures:

Wash thoroughly after handling. Wash hands before eating. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

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.

Conditions for safe storage, including any incompatibilities:

Do not expose container to heat or flame. Keep container closed when not in use. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances.

Specific end use(s): Not applicable.

8. Exposure controls/personal protection

Exposure control/personal protection

Control parameters:

Occupational exposure limits: 2.0 mg/m³ as an 8-hr TWA (NCEL-EPA SNUR).

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

DNEL/DMEL and PNEC-Values: Not available.

Exposure controls

Appropriate engineering controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Individual protection measures, such as personal protective equipment:

Eye/face protection Wear appropriate protective eyeglasses or chemical safety goggles as described by SNUR's eye and face protection regulations in 40CFR721.536 or European Standard EN166.

Hand protection Wear appropriate gloves, tested to be impervious to this product, to prevent skin exposure..

Body protection Wear suitable protective clothing to prevent skin exposure.

Respiratory protection Avoid breathing dust. In case of insufficient ventilation, Use NIOSH 21C air-purifying respirators equipped with a full face piece and high efficiency particulate filters, or category 21C powered air-purifying respiratory equipped with a tight-fitting face piece and high efficiency particulate filter (HEPA) cartridges

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Environmental exposure controls:

Avoid discharge into the environment. According to local regulations, Federal and official regulations.

9. Physical and chemical properties

Appearance: yellow crystalline powder

Odour threshold: Not available

pH: 4.5

Melting point/range (°C): 80 °C

Boiling point/range (°C) : Not available

Flash point (°C) : Not applicable

Specific gravity: 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) : No information available

Vapour density: Not determined

Relative Density (25°C): Not determined

Bulk density (g/l) : 0.65g/l

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity, dynamic (mPa s) : Not determined

Explosive properties: Not determined

Oxidising properties: Not applicable

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

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Stable at normal temperatures and pressures.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Incompatible materials.

Incompatible materials: Oxidizing agents, acids and bases.

Hazardous decomposition products:

Carbon monoxide, Carbon dioxide, hydrogen bromide, and bromine.

11. Toxicological information

Toxicological information

Toxicokinetics, metabolism and distribution

Non-human toxicological data: Not available

Method: Not available

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Dosis: Not available

Routes of administration: Not available

Results: Not available

Absorption: Not available

Distribution: Not available

Metabolism: Not available

Excretion: Not available

Information on toxicological effects

Acute toxicity:

LD50(Oral, Rat): >5000mg/kg

LD50(Dermal Rabbit): >2000mg/kg

LC50(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 >110mg/l	96h	Fish	OECD 203	N/A	N/A
LC50 >110mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50 110mg/l	96h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not readily biodegradable.

Bioaccumulative potential: Not bioaccumulative.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not applicable.

Other adverse effects: Not available.

13. Disposal considerations

Waste treatment methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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. Water runoff can cause environmental damage.

14. Transportation information

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UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class: This product is not regulated as a hazardous material or dangerous goods for Transportation.

Packing group: Not applicable

Marine pollutant (Yes/No): No

Transportation in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product is not supplied in bulk.

Special precautions for user: See Section 7

15. Regulatory information

Chinese regulations: Not regulation

International regulations:

This material is listed on the following inventories :

EU-EINECS: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

USA-TSCA : Reported in the EPA TSCA Inventory. Subject to reporting under SNUR (Significant New Use Rule), section 40 CFR 721.536

Canadian WHMIS hazard class and division

SARA hazards:

Acute :	NO	Chronic:	Yes
Reactive:	NO	Fire :	NO
Pressure :	NO		

16. Declare Company

Other information

Relevant R- phrases (number and full text): Not applicable.

Training instructions: Not applicable.

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.

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.

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