

# Material Safety Data Sheet

EDDHA-Fe 6%

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Chemical product name:** EDDHA-Fe 6%  
**Common chemical name:** Ethylenediamine-N',N'-bis(2-hydroxyphenylacetic acid), Ferric sodium complex EDDHA-FeNa  
**Company information:** Choice Chemicals Ltd.  
 Centre of City, No.249 Wuyi Road, Furong District,  
 Changsha, Hunan 410011, P.R. China  
 Tel: 0086 731 89856736  
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 E-mail: info@choice-chem.com  
**24 hr Emergency number:** 0086 13298652316

## SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

### 2. Composition/Information on Ingredients

Name	CAS number	% by weight	Symbol	R phrases
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EDDHA-FE 6%	16455-61-1	98%	-	-
WATER	7732-18-5	2%	-	-

## SECTION 3 - HAZARDS IDENTIFICATION

**Route(s) of Entry :** Inhalation, Ingestion and Dermal.

Not considered a hazardous product. Irritating to skin and eye and respiratory tract. White Odorless Powder. Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Product may feed combustion. Store away from heat.

**Potential Health Effects:** None known.

**Signs & Symptoms Of Exposure:** Irritation of skin and eyes, respiratory tract.

## SECTION 4 - HAZARDS IDENTIFICATION

**Ingestion:** The mouth should be thoroughly washed out with water, if person is conscious, give large amounts of water. Do not induce vomiting. Get medical attention.  
 Never give anything to eat or drink to someone who is unconscious, having convulsions,

or unable to swallow.

**Eyes:** Flush eyes with large quantities of running water for a minimum of 15 minutes. If victim is wearing contact lenses, remove them. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. Do not let victim rub eyes. Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

**Skin:** Immediately wash with soap and water for a minimum of 15 minutes. Wash clothing before reuse and discard footwear which cannot be cleaned. Get immediate medical attention if irritation occurs.

**Inhalation:** Remove to fresh air, if breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration, Get medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

N.F.P.A. Hazard Ratings: Health: NR Fire: NR Reactivity: NR special:  
O=minimal 1=slight 2=moderate 3=serious 4=severe NIR=Not Rated

**Flash point:** NA

**Flammable Limits:** NA

**Auto ignition Temp:** NA

**Extinguisher Media:** water, foam, carbon dioxide

**Special Fire Fighting Procedures:** As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing.

**Unusual Fire And Explosion Hazards:** oxides may develop. In case of fire or explosion, do not breathe fumes, Nitrogen and sulfur

**Hazardous Combustion Products:** oxides may develop. In case of fire or explosion, do not breathe fumes. Nitrogen and sulfur

**Emergency Response Guidebook Information:** None

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled :** Sweep spilled product and collect for reuse. Wash residue away with water with sand or absorbent material. Sweep up and dispose.

## SECTION 7 - HANDLING AND STORAGE

Keep container well closed and store in a dry, well ventilated place away from sunlight. The product is hygroscopic and photosensitive. Avoid extremes of temperatures.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL, PROTECTION

**Skin Protection:** Skin contact should be prevented through use of suitable protective clothing, PVC rubber gloves and footwear, selected with regard for use conditions and exposure potential. Consideration must be given both to durability as well as permeation resistance.

**Respiratory Protection:** When dust standards are exceeded, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations. Always wear NIOSH approved particulate approved respirator.

**Eye Protection:** Eye/face protection requirements vary depending upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be used for the particular use intended for this material. Use chemical safety glasses with side shields or splash proof goggles and face shield to prevent eye/face contact. Emergency eye wash must be readily accessible to work area.

**Other Protection :** Product is easily removed with soap and water. Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder before reuse. Cleanse skin thoroughly after contact, before meals and end of work period.

**Ventilation Protection:** Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.

**Exposure Limits :** No specific recommendations.

**Hygienic Practices :** Minimize breathing dust. Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder before reuse, cleans skin thoroughly after contact, before meals and end of work period.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance :</b>	dark red-brown micro granules
<b>Molecular Weight :</b>	435.2
<b>Boiling Point :</b>	N/A
<b>Melting Point:</b>	Breaks down without melting
<b>Specific Gravity :</b>	0.7g/cm <sup>3</sup>
<b>Vapor Pressure(mm/Hg):</b>	N/A
<b>Vapor Density(air=1):</b>	N/A

**Reactivity in water :** None  
**Solubility in water :** 30g/100ml(20 Deg. C)  
**pH value(1% solution) :**7-9

## SECTION 10 - STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions.

**Conditions To Avoid:** None

**Incompatible Materials:** The liquid solution develops hydrogen upon contact with copper and aluminum.

**Hazardous Decomposition Products :**Toxic fumes of nitrogen and sulfur oxide at temperatures above the decomposition temperature.

**Polymerization Conditions To Avoid :** None

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Eye Effects :** No data found for product.

**Skin Effects :** No data found for product.

**Dermal Toxicity :**No data found for product.

**Inhalation Effects :**No data found for product.

**Sensitization :** No data found for product.

**Ingestion Effects :** No data found for product

**Carcinogenicity/Mutagenicity :** Not listed as a carcinogen by NTP, IARC or OSHA.

**Reproductive Effects :**No data found for product.

**Neurotoxicity :**No data found for product.

**Target Organs:**No data found for product.

**Additional Toxicological Information :**No data found for product.

## SECTION 12 - ECOLOGICAL INFORMATION

No experimental ecological data are available for product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Responsibility of the receiver to have knowledge of national and local regulations.**

**Methods of disposal:** The substance is biodegradable.

Disposal according to the local legislation.

## SECTION 14 - TRANSPORT INFORMATION

**Proper shipping name:** EDDHA-FE 6%

**UN number:** none.

**Road/Railway/Inland:** No specific regulations applicable.

**Waterways:** No specific regulations applicable.

**Sea:** No specific regulations applicable.

**Air:** No specific regulations applicable.

## SECTION 15 - REGULATORY INFORMATION

**Product Label Name :** Ethylenediamine-N',N'-bis(2-hydroxyphenylacetic acid), Ferric sodium complex EDDHA-FeNa

## SECTION 16 - OTHER INFORMATION

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