

Attachment forEDTA FENA 13%MSDS**Importer/Distributor:**

Brenntag New Zealand Limited  
75 France Street, Eden Terrace, Auckland, 1010

Telephone: 09 275 0745 (Business Hours)  
0800 243 622 (After Hours Emergency)

Facsimile: 09 275 0746

**Hazardous Classification:** Not classified as hazardous according to HSNO New Zealand 2008 criteria

**Dangerous Goods Classification:** Not classified as a dangerous good for transport according to NZS 5433:2012

**Exposure Standards:** According to New Zealand 'Workplace Exposure Standards 2013':

Substance	CAS #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Particulates not otherwise classified			10mg/m <sup>3</sup> Inhalable dust 3mg/m <sup>3</sup> Respirable dust		

**NZIoC:** Not applicable as Non Hazardous.

**This attachment must be read in conjunction with the attached MSDS.**

# SAFETY DATA SHEET

HCS-2012 APPENDIX D TO §1910.1200

Version 1  
Product Name FERRIC SODIUM EDTA

Issue Date 29-May-2015  
Revision date 29-May-2015

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name FERRIC SODIUM EDTA  
Chemical Name FERRIC SODIUM EDTA

### Other means of identification

Cas: 15708-41-5

### Recommended use of the chemical and restrictions on use

Recommended Use Used as complexing agent, oxidizing agent, Photographic materials developed spray and bleaching agent, Black and white film down the medicine  
Uses advised against No information available

### Details of the supplier of the safety data sheet

Importer Shijiazhuang Jackchem Co., Ltd  
Address Douyu Industrial Park, Luancheng County, Shijiazhuang City, Hebei Province, P.R.China  
Postal Code -  
Phone +86-311-8463 5784  
FAX +86-311-8463 6311  
E-mail jackchem@jackchem.com.cn

### Emergency telephone number

No information available

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Not classified

### Label elements

Symbols/Pictograms None  
Signal word None  
Hazard Statements Not classified  
Precautionary Statements  
Prevention None  
Response None  
Storage None  
Disposal None

### Hazards not otherwise classified (HNOC)

No information available

### Unknown acute toxicity

1% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature Substance

Chemical Name	CAS No	Chelate Fe
FERRIC SODIUM EDTA	15708-41-5	13.0%min

## 4. FIRST AID MEASURES

### Description of first aid measures

General advice	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Skin Contact	Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
Eye contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Ingestion	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

### Most important symptoms and effects, both acute and delayed

No information available.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.

### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Evacuate personnel to safe areas
- Ensure adequate ventilation, especially in confined areas
- Remove all sources of ignition
- Use personal protection recommended in Section 8
- Avoid breathing vapors or mists

### Methods and material for containment and cleaning up

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

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. 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

Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Denmark	European Union
FERRIC SODIUM EDTA (CAS #: 15708-41-5)	TWA: 1 mg/m <sup>3</sup> Fe	-	TWA: 1 mg/m <sup>3</sup> Fe	TWA: 1 mg/m <sup>3</sup>	-

Chemical Name	Latvia	France	Finland	Germany	Italy
FERRIC SODIUM EDTA (CAS #: 15708-41-5)		-	TWA: 1 mg/m <sup>3</sup>	-	-

Chemical Name	Norway	United Kingdom	Australia	Austria	Belgium
FERRIC SODIUM EDTA (CAS #: 15708-41-5)	-	-	1 mg/m <sup>3</sup>	-	-

### 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.

### Individual protection measures, such as personal protective equipment

Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hand Protection	Wear protective gloves.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear suitable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid
Color	No information available
Odor	No information available
Odor Threshold	Not determined
pH	4.5-5
Melting point/freezing point	Approximately 80 °C
Boiling point / boiling range	Not determined
Flash point	Not applicable
Evaporation rate	Not determined
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	Not determined
Vapor Pressure	Not applicable
Vapor density	Not determined
Density	Not determined
Relative density	Not determined
Bulk density	Not determined
Specific gravity	Not determined
Water solubility	Moderate (1-10%)
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

**Other information**

No information available

**10. STABILITY AND REACTIVITY****Reactivity**

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

**Chemical stability**

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

**Possibility of Hazardous Reactions**

Nitrous vapors may be produced.

**Conditions to avoid**

Avoid contact with Aluminum, Zinc, Copper. Avoid accumulation of electrostatic charges during the pouring of great amounts.

**Incompatible materials**

Avoid contact with Aluminum, Zinc, Copper. Avoid accumulation of electrostatic charges during the pouring of great amounts.

**Hazardous Decomposition Products**

As the product in fire conditions: Carbon oxides, nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system
Eye contact	Contact with eyes may cause irritation
Skin Contact	Substance may cause slight skin irritation
Ingestion	Ingestion may cause irritation to mucous membranes

**Information on toxicological effects****Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
FERRIC SODIUM EDTA (CAS #: 15708-41-5)	= 5 g/kg ( Rat ) > 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	> 2.05 g/m <sup>3</sup> ( Rat ) 4 h

**Skin corrosion/irritation**

Non-irritating to the skin

**Serious eye damage/eye irritation**

No eye irritation

**Sensitization**

No information available

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

No information available

**Reproductive toxicity**  
No information available

**STOT - single exposure**  
No information available

**STOT - repeated exposure**  
No information available

**Aspiration hazard**  
No information available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**  
No information available

**Persistence and degradability**  
No information available

**Bioaccumulative potential**  
No information available

**Mobility in soil**  
No information available

**Other adverse effects**  
No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Dispose of in accordance with federal, state and local regulations

## 14. TRANSPORT INFORMATION

**DOT**

UN/ID No.	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Special precautions	No information available
Marine pollutant	Not applicable

## 15. REGULATORY INFORMATION

### International Inventories

Component	AICS	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	TSCA
FERRIC SODIUM EDTA 15708-41-5	X	X	X	-	X	X	X	X

"-" Not Listed

"X" Listed

**US Federal Regulations****SARA 313**

No information available

**SARA 311/312 Hazard Categories**

No information available

**CWA (Clean Water Act)**

No information available

**CERCLA**

No information available

**US State Regulations****California Proposition 65**

No information available

**U.S. State Right-to-Know Regulations**

No information available

**16. OTHER INFORMATION****Revision Note**

Issue Date	29-May-2015
Revision date	29-May-2015
Revision Note	Not applicable

**Key or legend to abbreviations and acronyms used in the safety data sheet****TWA** - TWA (time-weighted average)**STEL** - STEL (Short Term Exposure Limit)**Ceiling** - Maximum limit value**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Safety Data Sheet -----