

Material Safety Data Sheet

Trade Name: **VERSA Fe**

Dated: **12.15.11**

Registration No: None

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: Rosen's Inc. Product Name: VERSA Fe

Telephone: Rosen's local # 1-800-792-2000 Chemical Type: Water-soluble, Micro-granular EDDHA
Emergency Phone – Rosen's Emergency # 24- Hour Emergency Telephone: Chemtrec 1-800-424-9300

Chemical name: **Ethylenediamine-N, N'-bis((2-hydroxyphenyl)acetic acid) ferric-sodium complex**
Synonyms: Ferric Sodium Complex of EDDHA-FeNa, FeEDDHA,
CAS N^o: 84539-55-9
Chemical formula: C18H16O6N2FeNa

SECTION 2 COMPOSITION INFORMATION

Chemical Name	CAS no.	%	EU N	UN no.	Classification
Ethylenediamine-N, N'-bis((2-hydroxyphenyl)acetic acid) ferric-sodium complex	84539-55-9	25-35	283-044-5	None	Not classified

SECTION 3 HAZARDOUS IDENTIFICATION SUMMARY

Hazards for human health: May cause irritation in case of contact with skin, eyes and respiratory tract. With the available information and with regard to the relevant regulations on hazardous products, this substance is not classified as hazardous.

Hazards for the environment: Based on the available data of this product no hazardous properties are known.

Physical and Chemical hazards: Based on the available data of this product no hazardous properties are known.

KEEP OUT OF REACH OF CHILDREN – CAUTION

SECTION 4 FIRST AID MEASURES

General: Evacuate the victim from the affected area. In case of symptoms, ask for medical assistance. Present the product label.

Inhalation: Evacuate the victim from the affected area. In case of symptoms, ask for medical assistance.

Contact with skin: Remove the soiled clothes. Wash with water. Ask for medical assistance if symptoms occur.

Contact with eyes: Wash immediately with plenty of water for at least 15 minutes. Ask for medical attention in case of irritation.

Ingestion: If the person is conscious, wash the mouth with plenty of water and give water to drink. Ask for medical assistance.

First-aid premises: Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media: Water, foam, carbon dioxide and dry chemical powder.

Hazards: Do not use pressurized water.

Special fire-fighting procedures: Avoid people exposure to fire, fumes or products from combustion. Evacuate non essential people from the area.

Special protective equipment for fire-fighters: Use the adequate personal protective equipment. Self contained breathing apparatus.

Specific warning: Avoid pouring the contaminated extinguishing media to the soil, aquifers or sewers.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Evacuate the non essential people from the area. Do not smoke. Use safety clothes, shoes, glasses and neoprene gloves.

Environmental precautions: Avoid pouring to the sewer system and surface or subterranean aquifers.

Cleaning methods: Vacuum cleaning or sweeping of the spilled product and storage in a designated labeled container, for a later recovery or disposal. Wash the area with a large amount of water.

Note: See heading 8 for personal protective equipment and heading 13 for waste disposal.

SECTION 7 HANDLING AND STORAGE

Handling: Use safety clothes and gloves. Do not smoke, eat or drink while handling the product. Wash hands after handling the product and before eating, smoking, using lavatory, and at the end of day.

Storage: Since the product is hygroscopic and photosensitive, avoid extreme temperatures and keep the container tightly closed and stored in a dry, well ventilated and sunlight protected place. Keep away from food, beverage and fodder. Keep away from children, animals and non authorized personnel.

Packaging materials

Suitable: Polyethylene, polypropylene

Note: See section 10 for stability and reactivity.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Use with adequate ventilation.

Hygiene measures: Avoid repeated or prolonged inhaling of the product dust. Avoid contact with skin. Remove the contaminated clothes. Hands should be washed carefully after handling the product, before meals and at the end of the day.

Personal protective equipment

Respiratory system: In case of dust cloud, use a mask

Skin and body: Clothes, gloves and shoes appropriate for a potential exposure to chemical substances.

Eyes: Safety glasses with lateral protection and shield.

Hands: Suitable gloves

At high levels of exposure, warnings on personal protection are applicable. Select the suitable personal protection on the basis of the evaluation of the exposure actual risks in the existing conditions.

For Environmental precautions see section 6.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid. Dispersible and soluble granules	PH:	7, 5 – 9, 5 (20°C and concentration of 1%)
Color:	Dark brown	Specific gravity:	Not applying
Odor:	Characteristic	Boiling point:	Not available

Ignition point: Not available
Flammability: Non flammable
Explosive properties: No
Density: Not available
Bulk density: 0,7 – 0,8 g/cm³

Solubility in water: Soluble – 300 g/l

Molecular weight: 435, 2

Remarks: The supplier keeps at everyone's disposal more detailed information on the physical and chemical properties of the product.

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable under the recommended handling and storage conditions (see section 7).

Conditions to avoid: Avoid direct sunlight during storage.

Materials to avoid: No special recommendation.

Hazardous decomposition

Products: Nitrogen toxic fumes at temperatures higher than the decomposition temperature

SECTION 11 TOXICOLOGY INFORMATION

Ingredient Name	Test	Species	Route	Result
EDDHA-FeNa	LD ₅₀	Rat	Oral	>2000mg/kg

Irritation: Not available

Chronic toxicity: Not available.

Carcinogenicity and effects on

Human reproduction: Not available

Note: For symptoms and effects, see heading 4. In this heading, only relevant information is presented.

SECTION 12 ECOLOGICAL INFORMATION

Ingredient Name	Average Aquatic Life	Photolysis	Biodegradability
EDDHA-FeNa	NA	NA	Low
Ingredient Name	Log Pow	Bioconcentration Ratio	Potential bioaccumulation
EDDHA-FeNa	<0	NA	NA

Mobility: For information on physical state and solubility, see heading 9.

In this heading only relevant information is presented.

SECTION 13 DISPOSAL CONSIDERATIONS

Product: If possible, recycle the product. Throw away in a dump authorized for phytosanitary products or incinerate according to local regulations.

Residues: Keep in sealed and labeled containers.

Contaminated packaging: Complete emptying and destruction according to in force regulations.

Disposal considerations: The product must be disposed of according to local, regional, national and international regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number: Not regulated

DOT shipping description: Not regulated by US DOT.

SECTION 15 REGULATORY INFORMATION

NFPA Ratings:	NFPA	SEVERITY
	0 Health	0 = Least
	0 Flammability	1 = Slight
	0 Instability	2 = Moderate
		3 = High
		4 = Severe

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:	Immediate	<u>NA</u>	Fire	<u>NA</u>	Sudden Release of Pressure	<u>NA</u>
	Delayed	<u>NA</u>	Reactive	<u>NA</u>		

Reportable Quantity (RQ) under U.S. CERCLA: NA

SARA, Title III, Section 313: NA

RCRA Waste Code: NA

SECTION 16 OTHER INFORMATION

Recommendations: Keep away from children, food, beverage and feed.

Notice to reader:

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1, without first obtaining written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

Training advice: Before handling this substance, the personnel involved should be instructed by means of this safety data sheet.

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