

# SAFETY DATA SHEET

## VERDICROP FE EDDHA

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 453/2010 and Regulation (EC) No. 1272/2008



SDS # : 10332-A

Revision date: 2018-07-23

Format: EU

Version 1.03

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product Code(s)** 10332-A  
**Product Name** VERDICROP FE EDDHA  
**EC-No** 283-044-5  
**CAS-No** 84539-55-9

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use:** A soluble fertilizer for use in agriculture and horticulture

**Restrictions on use** Use as recommended by the label.

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

**Manufacturer** FMC Agro Limited  
Rectors Lane  
Pentre  
Flintshire  
CH5 2DH  
United Kingdom  
Tel: + 44 (0) 1244 537370  
E-mail: fmc.agro.uk@fmc.com

For further information, please contact:

**Contact point** Tel: +44(0)1244 537370  
Email: fmc.agro.uk@fmc.com

#### 1.4. Emergency telephone number

**Emergency telephone** Tel: +44(0)1244 537370 (Office hours only)

### Section 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture *Regulation (EC) No 1272/2008*

This product has no classification under CLP  
This product has no label elements.  
Hazard symbol not required.

#### 2.2. Label elements

**Hazard pictograms**  
This product has no classification under CLP

This product has no label elements.  
Hazard symbol not required.

### 2.3. Other hazards

This product is not identified as a PBT/vPvB substance.

## **Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### 3.1 Substances

Chemical Identity: FE EDDHA

## **Section 4: FIRST AID MEASURES**

### 4.1. Description of first aid measures

<b>Eye Contact</b>	Hold eyes open and rinse slowly and gently with water for 15-20 minutes.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water.
<b>Inhalation</b>	Remove person from exposure ensuring one's own safety while doing so. If symptoms persist, call a doctor.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.

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

<b>Most important symptoms and effects, both acute and delayed</b>	Skin contact: May see mild irritation at the site of contact.
	Eye contact: Possible irritation and redness.
	Ingestion: Possible irritation of the throat.
	Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.
	Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.

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

<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	Treat symptomatically.
---	------------------------

## **Section 5: FIREFIGHTING MEASURES**

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool containers / tanks with water spray.

#### **Unsuitable extinguishing media**

No information available

### 5.2. Special hazards arising from the substance or mixture

Toxic fumes may be released in fire situations.

**Hazardous Combustion  
Products**Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).**5.3. Advice for firefighters**

As in any fire, wear self-contained breathing apparatus and full protective gear. Wear protective clothing to prevent contact with skin and eyes. Contaminated fire extinguishing water should not be discharged into drains, if preventable.

**Section 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****Personal Precautions**

For personal protection see section 8. Stop leak if you can do it without risk. In case of spill, avoid contact. Isolate area and keep out animals and unprotected persons. Avoid dust formation.

For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Do not discharge into drains or rivers.

**6.3. Methods and material for containment and cleaning up****Methods for Containment**

Cover powder spill with plastic sheet or tarp to minimise spreading.

**Methods for cleaning up**

Clean up with an electrically protected vacuum cleaner or by wet-brushing.

**6.4. Reference to other sections**

See section 8 for more information. See section 13 for more information.

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Handling**

Use only in area provided with appropriate exhaust ventilation. Avoid dust formation. Take precautionary measures against static discharges.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities****Storage**

Protect from freezing. Store above 5°C. Keep in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from heat. Keep out of reach of children and animals. Keep away from food, drink and animal feedingstuffs.

**7.3. Specific end use(s)****Specific Use(s)**

No data available.

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

## Personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields. Provide emergency on-site eyewash.

**Hand Protection** Protective gloves. PVC gloves. Wear chemical protective gloves made of materials such as nitrile or neoprene. Recommended protective index 6, expected to provide a breakthrough time of > 480 minutes.

**Skin and Body Protection** Wear protective gloves/clothing.

**Respiratory Protection** Respiratory protective device with particle filter class P2S (EN143).

**Environmental exposure controls** Refer to specific Member State legislation for requirements under Community environmental legislation.

# Section 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Microgranules
<b>Appearance</b>	No information available
<b>Odour</b>	Mild chemical odor
<b>Colour</b>	Dark red
<b>Odour threshold</b>	No information available
<b>pH</b>	8.0 - 9.0 (10 g/L)
<b>Melting point/freezing point</b>	> 500 °C
<b>Boiling point/boiling range</b>	No information available
<b>Flash point</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit:</b>	No information available
<b>Lower flammability limit</b>	No information available
<b>Vapour pressure</b>	0.000001 hPa (20°C)
<b>Vapour density</b>	No information available
<b>Specific gravity</b>	1.59 (20°C)
<b>Water solubility</b>	150 - 203 g/L (23 degrees C)
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	log Kow = -4.2(23°C)
<b>Autoignition temperature</b>	331 °C
<b>Decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available
<b>Viscosity, dynamic</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidising properties</b>	No information available

## 9.2. Other information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	600-800 kg/m <sup>3</sup>
<b>K<sub>st</sub></b>	No information available

# Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

None under normal use conditions

**10.2. Chemical stability**

Stable under recommended storage conditions.

**Explosion data**

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** Yes.

**10.3. Possibility of hazardous reactions****Hazardous polymerisation**

Hazardous polymerization does not occur.

**Hazardous reactions**

None under normal processing. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

Heat.

**10.5. Incompatible materials**

Strong bases, oxidising agents.

**10.6. Hazardous decomposition products**

May emit toxic fumes under fire conditions. See Section 5.2 for more information.

**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Acute toxicity****Product Information**

<b>LD50 Oral</b>	> 2000 mg/kg (rat)
<b>LD50 Dermal</b>	> 2000 mg/kg (rat)
<b>Inhalation LC50</b>	> 4.2 mg/l 4 hr (rat)

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitisation</b>	No information available.
<b>Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.

**Symptoms**

Skin contact: May see mild irritation at the site of contact.

Eye contact: Possible irritation and redness.

Ingestion: Possible irritation of the throat.

Inhalation: May experience irritation of the throat with a feeling of tightness in the chest.

Delayed/Immediate effects: Immediate effects can be expected after short-term exposure.

**Aspiration hazard**

No information available.

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity****Ecotoxicity**

ZEBRAFISH (Brachydanio rerio): 96H LC50 >120 mg/L

DAPHNIDS (Daphnia magna): 48H EC50 >120 mg/L

ALGAE (Desmodesmus subspicatus): 72H ErC50 >294 mg/L

Activated Sludge: 3H EC10 = 450 mg/L

**12.2. Persistence and degradability**

Not readily biodegradable.

**12.3. Bioaccumulative potential****12.4. Mobility in soil****Mobility in soil**

No information available.

**Mobility**

No adsorption is expected in the organic fraction of soil or sediment.

**12.5. Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

Negligible

**Section 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Waste from residues / unused products**

Transfer to a suitable container and arrange for collection by specialised disposal company. Do not contaminate ponds, waterways or ditches with chemical or used containers. Do not discharge to sewer systems.

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EWC Waste Disposal No**

02 01 09

**OTHER INFORMATION**

NOTE : The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

## Section 14: TRANSPORT INFORMATION

**NOTE**

NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

**IMDG/IMO**

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	The product is not transported in bulk tankers.

**RID**

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

**ADR/RID**

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

**ICAO/IATA**

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

## Section 15: REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations** Not applicable

**European Union****Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)  
This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not Applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009  
Not Applicable

### International Inventories

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

## Section 16: OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of R-phrases referred to under sections 2 and 3

Not applicable

#### Legend

<b>ADR:</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>CAS:</b>	CAS (Chemical Abstracts Service)
<b>Ceiling:</b>	Maximum limit value:
<b>DNEL:</b>	Derived No Effect Level (DNEL)
<b>EINECS:</b>	EINECS (European Inventory of Existing Chemical Substances)
<b>GHS:</b>	Globally Harmonised System (GHS)
<b>IATA:</b>	International Air Transport Association (IATA)
<b>ICAO:</b>	International Civil Aviation Organization
<b>IMDG:</b>	International Maritime Dangerous Goods (IMDG)
<b>LC50:</b>	LC50 (lethal concentration)
<b>LD50:</b>	LD50 (lethal dose)
<b>PBT:</b>	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
<b>RID:</b>	Regulations Concerning the International Transport of Dangerous Goods by Rail
<b>STEL:</b>	Short term exposure limit
<b>SVHC</b>	SVHC: Substances of Very High Concern for Authorisation:
<b>TWA:</b>	time weighted average
<b>vPvB:</b>	very Persistent and very Bioaccumulative

Revision date: 2018-07-23

Reason for revision: Format Change.

#### Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

#### Prepared By

FMC Corporation

FMC Logo - Trademark of FMC Corporation

© 2018 FMC Corporation. All Rights Reserved.

**End of Safety Data Sheet**