



**S a f e t y D a t a S h e e t**  
According to Regulation (EC) 1907/2006

202028 **Ammonium Iron(III) Citrate** green (E-381, F.C.C.) ADITIO

**1. Identification of the substance/preparation and of the company or firm**

**1.1 Identification of the substance or preparation**

Name:

Ammonium Iron(III) Citrate green

**1.2 Use of the substance/preparation:**

For laboratory utilisation, analysis, research and fine chemistry.

**1.3 Identification of the company or firm:**

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**2. Identification of dangers**

No hazardous substance as specified in Regulation (CE) 1907/2006.

### 3. Component Composition/Information

Name: Ammonium Iron(III) Citrate green

CAS [1185-57-5]

EC number (EINECS): 214-686-6

### 4. First aid

#### 4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

#### 4.2 Inhaling:

Go out into the fresh air.

#### 4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

#### 4.4 Eyes:

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

#### 4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek medical assistance.

### 5. Fire-fighting means

#### 5.1 Suitable fire-extinguishing means:

As appropriate to the environment.

#### 5.2 Fire-fighting means which must NOT be used:

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#### 5.3 Special risks:

Incombustible. In the event of fire, toxic fumes may form.

#### 5.4 Protective equipment:

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### 6. Measures to be taken in the event of accidental spillage

#### 6.1 Individual precautions:

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#### 6.2 Precautions for care of the environment:

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#### 6.3 Methods for collection/cleaning:

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

## 7. Handling and storage

### 7.1 Handling:

No special indications.

### 7.2 Storage:

Well sealed containers. Dry atmosphere. Away from light. In well ventilated premises.  
In a cool place.

## 8. Staff exposure/protection controls

### 8.1 Technical protective measures:

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### 8.2 Exposure limit control:

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### 8.3 Respiratory protection:

If dust forms, use suitable respiratory protection.

### 8.4 Hand protection:

Use suitable gloves

### 8.5 Eye protection:

Use suitable goggles.

### 8.6 Individual hygiene measures:

Remove contaminated clothing. Wash hands before breaks and when the job is done.

### 8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

## 9. Physical and chemical properties

Appearance:

Green solid.

Odour:

Odourless.

Density (20/4): 1,8

Solubility: Soluble in water.

## **10. Stability and reactivity**

### **10.1 Conditions which should be avoided:**

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### **10.2 Matter which should be avoided:**

Strong oxidant agents.

### **10.3 Hazardous decomposition products:**

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### **10.4 Complementary information:**

Light-sensitive.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

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### **11.2 Dangerous effects for health:**

The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are:

Upon contact with the skin: Can cause: irritations.

Through contact with the eyes: Can cause: irritations, sight disorders.

If swallowed: Can cause: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract.

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## 12. Environmental information

### 12.1 Mobility:

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### 12.2 Ecotoxicity:

12.1.1 - EC<sub>50</sub> test (mg/l):

Fish (Fe, pH 6,5-7,5) = EC<sub>0</sub> 0,9 mg/l ; Classification: Extr. toxic

Fish ( Fe pH 5,5-6,7) = EC<sub>0</sub> 1 mg/l ; Classification: Extr. toxic

Fish (Fe) = EC<sub>100</sub> 50 mg/l ; Classification: Extr. toxic

12.2.2 - Receptor medium:

Risk for the water environment = Medium

Risk for the land environment = Low

12.2.3 - Observations:

Acute ecotoxicity in the dumping area.

### 12.3 Degradability:

12.3.1 - Test:-----

12.3.2 - Biotic degradation classification:

BOD<sub>5</sub>/COD Biodegradability = -----

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

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### 12.4 Accumulation:

12.4.1 - Test:

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12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

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### 12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels.

### **13. Considerations regarding elimination**

#### **13.1 Substance or preparation:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country. In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.

Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

#### **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

### **14. Information concerning transport**

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### **15. Mandatory information**

Labelling as per REACH

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### **16. Other information**

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The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.