

Business name: Shieer Eisenchelat 14%

KN-Code: 34022090

Current version: 2.0, created on: 09/14/2018

Region: LU

Part 1: Identification of the substance or mixture and of the company

1.1. Product identifier

Trade name
Shieer
Eisenchelat 14%

Name of the substance Ammonium iron (III) citrate, solvent, additized

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

Relevant identified uses Chemical for various applications.

Uses advised against
No data available.

1.3.1. Details of the supplier providing the safety data sheet

Suppliers
Shieer Luxembourg S.A.
10, Rue Willy Goergen L-1636 Luxembourg

Telefon-Nuber +352 287 928 98
Fax-number ----
Email info@shieer.com

E-mail address of the competent person responsible for the safety data sheet

Part 2: Possible dangers

2.1. A Classification of the substance or mixture

Classification according to regulation (EG) Nr. 1272/2008 (CLP) deleted.

Classification according to guideline 67/548/EWG or 1999/45/EG deleted.

2.2. Label elements

Classification according to regulation (EG) Nr. 1272/2008

(CLP) hazard pictogram.
Lapse.

Signal word
Lapse.

Hazard warnings
Lapse.

Security alert
Lapse.

Safety Data Sheet

gem. regulation (EG) Nr. 453/2010



Trade name: Shieer Eisenchelat 14%

Current version: 2.0, created on: 14/09/2017

Region: LU

2.3. Other dangers

Result of the PBT- and vPvB- assessment

PBT: inapplicable.

vPvB: inapplicable.

Part 3: Composition / information on ingredients

3.1. Substances

Not applicable. The product is a mixture.

3.2. Mixture

Designation

CAS-Nr. 157-08-415

Ammonium iron (III)-citrate, solvent

EINECS-Nr. 214-686-6

Chemical characteristic (preparation)

Watery solution of ammonium iron (III)-citrate, brown, with additive.

Part 4: First aid measures

4.1. Description of the first aid measures

General reference:

Change soiled, soaked clothes.

After inhalation:

No information existing.

After eye contact:

Rinse eyes under running water with the eyelid open for several minutes. If symptoms persist consult a doctor.

After skin contact:

Immediately rinse thoroughly with plenty of water and consult a doctor if necessary

After swallowing:

Seek medical treatment.

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

No specific information known.

4.3. Indication of any immediate medical attention and special treatments needed

No specific information known.

Part 5: Firefighting measures

5.1. Extinguishing Media

Suitable extinguishing agents

Water, foam, carbon dioxide, dry chemicals.

Not suitable extinguishing agents:

No information existing.

Safety Data Sheet

gem. regulation (EG) Nr. 453/2010



Trade name: Shieer Eisenchelat 14%

Current version: 2.0, created on: 03/11/2017

Region: LU

52. Special hazards arising from the substance or mixture

In case of fire, pay attention to the formation of nitrogen oxides and ammonia. Carbon oxides (CO / CO₂) possible by thermal decomposition.

53. Advice for firefighters

Use self-contained breathing apparatus (isolation device). Do not inhale explosion or combustion gases.

PART 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Non-emergency personnel:

No specific information known.

Emergency responders:

Wear prescribed protective clothing (see section 8).

6.2. Environmental precautions

Prevent entry into sewers, pits and basements.

6.3. Methods and material for containment and cleaning

Absorb with liquid-binding material (sand, diatomaceous earth, universal binder). Dispose of contaminated material as waste according to section 13.

6.4. Reference to other sections

Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Part 7: Handling and storage

7.1. Precautions for safe handling

Advise for safe handling:

Observe the usual precautionary measures when handling chemicals.

General protection and hygiene measures:

Wash thoroughly after work.

Information about fire and explosion

protection:

No specific information known.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

No specific information known.

Requirements for storerooms and containers:

Store tightly closed, dry and store at temperatures below 30°C. Protect from light.

Storage instructions:

No information known

Safety Data Sheet

gem. regulation (EG) Nr. 453/2010



Trade name: Shieer Eisenchelat 14%

Current version: 2.0, created on: 03/11/2017

Region: LU

Storage class according to

TRGS 510:

No specific information known.

7.3. Specific end uses

No specific information known.

PART 8: Exposure controls / personal protection

8.1. Parameters to be monitored

Occupational exposure

limits: deleted

8.2. Limitation and monitoring of exposure

Suitable technical control equipment:

No specific information known.

Personal protective equipment Respiratory protection

No specific information known.

Eye-/ face protection

Safety goggles

Hand protection

Protective gloves

Other protective measures

Plastic and rubber apron

Limitation and monitoring

No specific information known.

Part 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties Form

Form	Liquid
Color	Red-Brown
Odor	Weak
Odor threshold	No specific information known
pH-Value	No specific information known.
Boiling point	No specific information known.
Melting point	No specific information known.
Decomposition point / decomposition range	No specific information known
Flashpoint	No specific information known
Ignition temperature	No specific information known
Auto-ignition temperature	No specific information known
Oxidizing properties	No specific information known
Explosive properties	No specific information known
Flammability (solid, gaseous)	No specific information known
Lower flammability or explosive limit	No specific information known
Upper flammability or explosive limit	No specific information known

Safety Data Sheet

gem. regulation (EG) Nr. 453/2010



Trade name: Shieer Eisenchelat 14%

Current version: 2.0, created on: 03/11/2017

Region: LU

Vapor pressure No specific information known.
Vapor density No specific information known.
Evaporation rate No specific information known.
Relativ density Keine Daten vorhanden.
Density ca. 1,41 g/cm³ bei 20 °C

Water solubility Fully miscible.
Solubilities No specific information known.

Partition coefficient: n-octanol/water No specific information known.
Viscosity No specific information known.

9.2. Other information

No specific information known.

Part 10: Stability and Reactivity

10.1. Reactivity
No specific information known

10.2. Chemical stability
No specific information known

10.3. Possibility of dangerous reactions
No specific information known

10.4. Conditions to avoid
No specific information known

10.5. Incompatible materials
No specific information known

10.6. Hazardous decomposition products
Nitrous gases and ammonia by thermal decomposition possible. Carbon monoxide and / or carbon dioxide by thermal decomposition possible.

Part 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity
No specific information known.

Acute dermal toxicity
No specific information known.

Acute inhalation toxicity
No specific information known.

Skin corrosion / irritation
No specific information known.

Serious eye damage / irritation
No specific information known.

Safety Data Sheet

gem. Regulation (EG) Nr. 453/2010



Trade name: Shieer Eisenchelat 14%

Current version: 2.0, created on: 03/11/2017

Region: LU

Respiratory or skin sensitization

No specific information known.

Germ cell mutagenicity

No specific information known.

Reproduction toxicity

No specific information known.

carcinogenicity

No data available.

Specific target organ toxicity - single exposure

No specific information

Specific target organ toxicity - repeated exposure

No data available.

Delayed and immediate effects as well as chronic effects from short- or long-term exposure

No data available-

Additional toxicological information:

Experiences in humans

From many years of experience of the producer with the product no danger has become known

Part 12: Environmental information

12.1. Toxicity

Fish toxicity

No specific information known.

Daphnia toxicity

No specific information known.

Algae toxicity

No specific information known.

Bacteria toxicity

No specific information known.

12.2. Persistence and degradability

The product is biodegradable.

12.3. Bio accumulative

No specific information known.

Mobility in the ground

No specific information known.

Safety Data Sheet

gem. Regulation (EG) Nr. 453/2010



Trade name: Shieer Eisenchelat 14%

Current version: 2.0, created on: 03/11/2017

Region: LU

12.5. Results of PBT and vPvB assessment

PBT-Evaluation

The product is not considered as PBT.

vPvB-Evaluation

The product is not considered as vPvB.

12.6. Other adverse effects.

No specific information known.

Other information

Proper introduction of low concentrations into adapted biological wastewater treatment plants is not expected to disrupt the activity of biodegradation of activated sludge.

Part 13: Disposal considerations

13.1. Waste treatment method

Dispose according to EC Directives 75/442 / EEC and 91/689 / EEC on waste and on hazardous waste in their current versions. The instructions for disposal refer to the pure unaltered product. If possible reprocessing, otherwise incinerate in officially approved incinerators. The allocation of the EWC waste code is the responsibility of the user.

Packaging

Even empty (empty) containers remain contaminated and must be disposed of by professionals or subjected to approved conditioning.

Part 14: Transport information

14.1. UN-Number

ADR
IMDG
IATA

Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.

14.2. Proper shipping name

ADR
IMDG
IATA

Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.

14.3. Transport hazard class

ADR
IMDG
IATA

Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.

14.4. Packaging class

ADR
IMDG
IATA

Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.

14.5. Environmental hazards

ADR
IMDG
IATA

Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.
Not dangerous goods in terms of transport regulations.

Safety Data Sheet

gem. Regulation (EG) Nr. 453/2010



Trade name: Shieer Eisenchelat14%

Current version: 2.0, created on: 03/11/2017

Region: LU

14.6. Special precautions for the user

No specific information known.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No applicable

Part 15: Legislation

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

EU regulations

No specific information known.

National regulations

Water hazard class - 1 - slightly hazardous for water self-classification

15.2. Chemical safety assessment

No specific information known.

Part 16: Other information

The information is based on the current state of our knowledge, but they do not constitute an assurance of product properties and do not establish a contractual relationship.

Data sources used to create the datasheet:

EC Directive 67/548 / EC or 99/45 / EC as amended.

Regulation (EC) No. 1907/2006 (REACH), 1272/2008 (CLP), as amended.

EC Directives 2000/39 / EC, 2006/15 / EC, 2990/161 / EC

National occupational exposure limit lists of the respective countries in the currently valid version.

Transport regulations according to ADR, RID, IMDG, IATA in the currently valid version.

Data sources used to obtain physical, toxicological and ecotoxicological data are given directly in the relevant sections.

Full text of R, H and EUH phrases mentioned in sections 2 and 3 (if not already listed in these sections)

Deleted.

Data Sheet Issuing Area:

Shieer Luxembourg S.A.

10, Rue Willy Goergen L – 1636 Luxembourg

Abbreviations and acronyms:

Vw/wS	Administrative regulation of water-pollution substances
TRGS 510	Technical rule hazardous substances 510
ADR	European Agreement on the Transport of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
OECD	Organization for Economic Co-operation and Development

Reasons for changes:

The safety data sheet has been reviewed / revised.

Changes in the respective sections compared to the previous version are marked with two vertical lines on the left margin.