SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

**Pure iron accelerator**

Substance name

iron

Identification numbers

CAS no. 7439-89-6
EC no. 231-096-4

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

Relevant identified uses of the substance or mixture

chemical analysis

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

ELTRA GmbH
Retsch-Allee 1-5

42781 Haan
GERMANY

Telephone no. +49 (0) 2104 23 33-400
Fax no. +49 (0) 2104 23 33-499

Information provided by / telephone

+49 (0) 2104 23 33-192

Advice on Safety Data Sheet

info@eltra.com

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not relevant

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterization

Substance name iron

Identification numbers

CAS no. 7439-89-6
EC no. 231-096-4

3.2 Mixtures

Not applicable. The product is not a mixture.
SECTIO 4: First aid measures

4.1 Description of first aid measures
   General information
   In case of persisting adverse effects, consult a physician.
   After inhalation
   Remove affected person from the immediate area. Ensure supply of fresh air.
   After skin contact
   When in contact with the skin, clean with soap and water.
   After eye contact
   Separate eyelids, wash the eyes thoroughly with water (15 min.).
   After ingestion
   Rinse out mouth and drink 200 - 300 ml water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed
   Effects
   Risk of stomach perforation

4.3 Indication of any immediate medical attention and special treatment needed
   No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
   Suitable extinguishing media
   Dry chemical extinguisher; Sand; Metal fire powders
   Unsuitable extinguishing media
   Water

5.2 Special hazards arising from the substance or mixture
   In case of fires, hazardous combustion gases are formed: Carbon dioxide (CO2); Carbon monoxide (CO)

5.3 Advice for firefighters
   Use self-contained breathing apparatus. Wear protective clothing. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   For non-emergency personnel
   Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.
   For emergency responders
   No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions
   Do not discharge into surface waters/groundwater.

6.3 Methods and material for containment and cleaning up
   Take up mechanically. Send in suitable containers for recovery or disposal.

6.4 Reference to other sections
   No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
   Advice on safe handling
   Observe the usual precautions for handling chemicals. Provide good ventilation at the work area (local exhaust
ventilation, if necessary).

**General protective and hygiene measures**
Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Wash soiled clothing immediately.

**Advice on protection against fire and explosion**
Keep away from sources of heat and ignition. Dust can form an explosive mixture with air. Take precautionary measures against static charges.

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions**
Keep container tightly closed and dry in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**
Always keep in containers of same material as the original. Containers which are opened must be carefully closed and kept upright to prevent leakage.

**Incompatible products**
Do not store together with: Acids

### 7.3 Specific end use(s)
No data available.

---

**SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters
No parameters available for monitoring.

#### 8.2 Exposure controls

**Appropriate engineering controls**
No data available.

**Personal protective equipment**

**Respiratory protection**
If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**
Safety glasses (EN 166)

**Hand protection**
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer’s instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

**Other**
Normal chemical work clothing.

**Environmental exposure controls**
No data available.

---

**SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Form/Colour</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chips</td>
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<table>
<thead>
<tr>
<th>Odour</th>
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<tbody>
<tr>
<td>odourless</td>
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<table>
<thead>
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<th>Odour threshold</th>
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<td>Property</td>
<td>Value</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Melting point / melting range</td>
<td>1535 °C</td>
</tr>
<tr>
<td>Decomposition point / decomposition range</td>
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</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
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<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Lower flammability or explosive limits</td>
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<tr>
<td>Upper flammability or explosive limits</td>
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<tr>
<td>Vapour pressure</td>
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<tr>
<td>Vapour density</td>
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<tr>
<td>Evaporation rate</td>
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<tr>
<td>Relative density</td>
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<tr>
<td>Density</td>
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<tr>
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<td>Comments insoluble</td>
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<tr>
<td>Solubility(ies)</td>
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<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
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</table>

9.2 Other information

Other information
No data available.
10.1 Reactivity
No data available.

10.2 Chemical stability
Stable to ignition temperatures of 700°C.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Avoid formation of dust.

10.5 Incompatible materials
Acids

10.6 Hazardous decomposition products
No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
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<tr>
<td>LD50</td>
<td>30000 mg/kg</td>
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<tr>
<td>Species</td>
<td>rat</td>
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<tr>
<td>Source</td>
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</table>

11.2 Toxicity to fish (acute)
No data available

11.3 Toxicity to fish (chronic)
No data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available

Toxicity to fish (chronic)
No data available
Trade name: Pure iron accelerator

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Other adverse effects
No data available.

12.7 Other information
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging
Packaging that cannot be cleaned should be disposed off as product waste. Uncontaminated packaging may be taken for recycling.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN
The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG
The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA
The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information
No data available.

14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user
No data available.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are
considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation
In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered
as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES
The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC)
1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
This substance is not subject to Part I or 2 of Annex I

Other regulations
Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment
No data available.

SECTION 16: Other information

Further information
Article no. 90260, 908 g

Sources of key data used to compile the data sheet:
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding
chapter.

Department issuing safety data sheet
UMCO GmbH
Georg-Wilhelm-Str. 187, D-21107 Hamburg
Tel.: +49 40 / 555 546 300  Fax: +49 40 / 555 546 357  e-mail: umco@umco.de

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