



Revision: 22 May 2013

SAFETY DATA SHEET

SECTION 1 Identification of the substance or preparation and of the company/undertaking

1.1 Product identifier

- Datasheet Number: 778645
- Product Name: IRON LR TABLETS
- Product Part Number: 778645

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

- Reagent for water analysis

1.3 Details of the supplier of the safety data sheet

Head Office:

Wilhelmsen Ships Service AS
Strandveien 20, N1324 Lysaker,
Norway Tel: (47) 6349 440 35

Supplier:

Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
Telephone: +31 4877 777
Fax: +31 4877 888
The Netherlands

Other suppliers SEE SECTION 16!!!

For quotations contact your local Customer Services

-
- Responsible Person: Product HSE Manager
- Telephone: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

-ONLY TO BE USED IN CASE OF AN INCIDENT

NCEC:+44 1865 407333, CHEMTREC (800) 424 9300

American Chemistry Council +1 703 527 3887,

Greece +30 210 7793777Australia: +61 3 9630 0998

Giftinformasjonsentralen in Norway Tel.: +47 22591300

Wilhelmsen Ships Service Melbourne AUSTRALIA Emergency 24hrs: +61 3 9630 0998

FOR QUOTATIONS PLEASE CONTACT YOUR LOCAL CUSTOMER SERVICES

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Directive 67/548/EEC or Directive 1999/45EC
- Symbols: Xi
- Irritating to eyes (R36)
- May cause sensitisation by skin contact (R43)

2.2 Label elements

- Classification according to Regulation (EC) No 1272/2008

SECTION 2 Hazards identification (....)

GHS: exclamation mark

- Signal Word: Warning
- Contains:
- CAS: 124-04-9
- CAS: 65208-41-5
- Hazard phrases
 - Causes serious eye irritation (H319).
 - May cause an allergic skin reaction (H317).
- Precautionary Phrases
 - Avoid breathing dust/fume/gas/mist/vapours/spray (P261).
 - Wear protective gloves/protective clothing/eye protection/face protection (P280).
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
 - Wash contaminated clothing before reuse (P363).
 - If skin irritation or rash occurs: Get medical advice/attention (P333+P313).
 - Dispose of contents/container to an authorised waste collection point (P501)

2.3 Other hazards

- Not applicable
- Appearance: Tablets, pale yellow
- Odour: Characteristic odour

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- adipic acid
 - Concentration: 30-40%
 - CAS Number: 124-04-9
 - EC Number: 204-673-3
 - Symbols: GHS07, Xi
 - R/H Phrases: H319, R36
 - Categories: Eye Irrit. 2
- Calcium thioglycollate trihydrate
 - Concentration: <2.5%
 - CAS Number: 65208-41-5
 - EC Number: 249-881-5
 - Index No.: 607-144-00-9
 - Symbols: Xn, Xi
 - R/H Phrases: R22, R37, R43
 - Categories: Not applicable

SECTION 4 First aid measures**4.1 Description of first aid measures**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).
- Obtain immediate medical attention
-
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P341).
- When in doubt or symptoms persist, seek medical attention
-

SECTION 4 First aid measures (....)

- IF ON SKIN: Wash with plenty of soap and water (P302+P352).
- If skin irritation or rash occurs: Get medical advice/attention (P333+P313).
-
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301+P330+P331).
- Give plenty of water to drink
- Get immediate medical advice/attention (P315).

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the mucous membranes
- In cases of severe exposure, irritation may develop
- In cases of severe exposure, breathing difficulty may develop
- In cases of severe exposure, coughing may develop

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
-

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- Decomposition products may include oxides of nitrogen, sulphur and carbon

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
-

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust
- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Remove by mechanical means

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Wear protective clothing as per section 8
- Do not breathe dust/fume/gas/mist/vapours/spray (P260).
- Do not get in eyes, on skin, or on clothing (P262).
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
 - Protect from sunlight (P410).
 - Protect from moist air
 - Avoid contact with water
 - Store at temperatures not exceeding (between) -5 - 20°C/ (P411)
-

SECTION 7 Handling and storage (....)

7.3 Specific end use(s)

- Not applicable
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- Not applicable

8.2 Exposure controls

- Ensure adequate ventilation

8.3 Occupational exposure controls

- Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Wear nitrile gloves
- Wear goggles giving complete eye protection
- Wear suitable dustmask e.g. to BS 2091



Gloves



Goggles



Respirator

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Tablets, pale yellow
- Odour: Characteristic odour
- Completely soluble in water
- Boiling Point/Range: Boiling point 260 °C to Root °C at Root mm /Hg
- pH: 3.5 at 20C
- Flash point >100 deg C (CC)

9.2 Other information

- None
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SECTION 10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose
- Reacts with oxidizing substances
- Reacts with reducing agents

10.4 Incompatible materials

- Incompatible with alkalis (strong bases)
- Avoid contact with combustible material
- Incompatible with oxidizing substances

10.5 Conditions to avoid

- Avoid overheating
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SECTION 10 Stability and reactivity (....)

10.6 Hazardous Decomposition Products

- Decomposition products may include halogen compounds and oxides of carbon/nitrogen/sulphur
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (CAS 65208-41-5) 352 mg/kg

11.2 Contact with eyes

- Causes redness and irritation

11.3 Contact with skin

- Sensitizing
- In cases of severe exposure, irritation may develop

11.4 Ingestion

- The ingestion of significant quantities may cause damage to mucous membranes

11.5 Inhalation

- In cases of severe exposure, breathing difficulty may develop
 - In cases of severe exposure, coughing may develop
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SECTION 12 Ecological information

12.1 Toxicity

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.
- Log Pow (CAS 124-04-9) 25C 0.081
- EC50 (Daphnia magna) (CAS 124-04-9) 86 mg/l (48 hr)
- LC50 (fish) (CAS 124-04-9) 511 mg/l ((Leuciscus idus) 48 hr)
- LC50 (fish) (CAS:124-04-9) 97 mg/l ((Pimephales promelas) 96 hr)
- IC50 (algae) (Desmodesmus subspicatus) 31 mg/l (72 hr)

12.2 Persistence and degradability

- Not available

12.3 Bioaccumulation Potential

- Not applicable

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point (P501)

13.2 Classification

- EU Waste class: 16-05-06
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN

- Not applicable

14.2 Proper Shipping Name

- Not applicable

14.3 Packing group

- Not applicable

14.4 Environmental hazards

- Not Classified

14.5 Special precautions for user

- Not Classified

14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not Classified
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SECTION 15 Regulatory information

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

- Classification according to Directive 67/548/EEC or Directive 1999/45EC
- Classification according to Regulation (EC) No 1272/2008
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

15.2 Chemical Safety Assessment

- None
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H319: Causes serious eye irritation. R22: Harmful if swallowed. R36: Irritating to eyes. R37: Irritating to respiratory system. R43: May cause sensitisation by skin contact.

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

SECTION 16 Other information (....)

The most up-to-date version of this MSDS can be found on www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

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