

**Pool-i.d. GmbH**  
**76344 Eggenstein-Leopoldshafen**

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### 1 Identification of the substance / preparation and of the company

#### Iron LR

**Use:** Reagent for analysis of water  
**Identified use:** none  
**Method of operation:** See product information.  
**Company:** Pool-i.d. GmbH  
 Daimlerstrasse 20  
 76344 Eggenstein-Leopoldshafen / GERMANY  
 Phone: +49(0)721-782029-0  
 Fax: +49(0)721-782029-11  
 Homepage: www.pool-id.com  
 E-mail: info@pool-id.com  
**Emergency phone:** +49 (0) 89-19240 (24h) (english)  
**Responsible:** Schroeder@chemiebuero.de

### 2 Hazards identification

**Physico-chemical hazards:** See chapter 10.  
**Human health dangers:** See chapter 11.  
**Environmental hazards:** See chapter 12.  
**Other hazards:** none  
**R-phrases:** none

### 3 Composition / Information on ingredients

Range [%]	Substance
1 - < 20	Adipic acid
	Registration: CAS: 124-04-9, EINECS/ELINCS: 204-673-3, EU-INDEX: 607-144-00-9, ECBnr:
	GHS/CLP: Eye Irrit. 2, H319
	EEC: Xi, R36

**Comment on component parts:** For the wording of the listed risk phrases refer to section 16.  
**Substances of Very High Concern - SVHC:** The product contains no substance which is named in the list SVHC (Candidate List of Substances of Very High Concern for authorization).

### 4 First aid measures

**General information:** not applicable  
**Inhalation:** not applicable  
**Skin contact:** When in contact with the skin, clean with soap and water.  
 Consult a doctor if skin irritation persists.  
**Eye contact:** In case of contact with eyes rinse thoroughly with water.  
 In the event of symptoms seek for medical treatment.  
**Ingestion:** Seek medical advice.  
 Rinse out mouth and give plenty of water to drink.  
**Advice to doctor:** Treat symptomatically.

### 5 Fire-fighting measures

**Suitable extinguishing media:** All extinguishing media are suitable but method must take into account the surrounding area to minimize dispersion.  
**Extinguishing media that must not be used:** Full water jet  
**Special exposure hazards arising from the substance or preparation itself or combustion products:** Unknown risk of formation of toxic pyrolysis products.  
**Special protective equipment for firefighters:** Do not inhale explosion and/or combustion gases.  
 Use self-contained breathing apparatus.  
**Additional information:** Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### 6 Accidental release measures

**Personal precautions:** No special measures necessary.  
**Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.  
**Methods for cleaning up:** Take up mechanically. Avoid production of dust.  
 Dispose of absorbed material in accordance within the regulations.

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**7 Handling and storage**

**Advice on safe handling:** No special measures necessary if used correctly.  
**Advice on protection against fire and explosion:** No special measures necessary.  
**Requirements for storage rooms and vessels:** Keep only in original container.  
**Advice on storage compatibility:** Do not store together with oxidizing agents.  
**Further information on storage conditions:** Keep container tightly closed.  
 Store in a dry place.

**8 Exposure controls / personal protection**

**Additional advice on system design:** not applicable

**Ingredients with occupational exposure limits to be monitored: (GB)**

Range [%]	Substance / WEL: Workplace exposure limit
1 - < 20	Adipic acid / -ppm, 5mg/m <sup>3</sup> , ACGIH 2006

**Respiratory protection:** not applicable

**Hand protection:** The details concerned are recommendations. Please contact the glove supplier for further information.  
 In full contact:  
 Butyl rubber, >120 min (EN 374).

**Eye protection:** safety glasses

**Skin protection:** not applicable

**General protective measures:** Avoid contact with eyes and skin.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

**Hygiene measures:** Wash hands before breaks and after work.

Use barrier skin cream.

**Delimitation and monitoring of the environmental exposition:** not determined

**9 Physical and chemical properties**

**Form:** tablet  
**Color:** white  
**Odor:** odourless  
**pH-value:** 4 (125g/l)  
**pH-value [1%]:** not determined  
**Boiling point [°C]:** not determined  
**Flash point [°C]:** not applicable  
**Flammability [°C]:** not applicable  
**Lower explosion limit:** not applicable  
**Upper explosion limit:** not applicable  
**Oxidizing properties:** no  
**Vapour pressure [kPa]:** not applicable  
**Density [g/ml]:** not determined  
**Bulk density [kg/m<sup>3</sup>]:** not determined  
**Solubility in water:** soluble  
**Partition coefficient [n-octanol/water]:** not determined  
**Viscosity:** not applicable  
**Relative vapour density determined in air:** not applicable  
**Evaporation speed:** not applicable  
**Melting point [°C]:** not determined  
**Autoignition temperature [°C]:** not applicable  
**Decomposition temperature:** not applicable

**10 Stability and reactivity**

**Hazardous reactions:** Reactions with strong oxidizing agents.

**Hazardous decomposition products:** No hazardous decomposition products known.

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**11 Toxicological information**

<b>Acute oral toxicity:</b>	not determined
<b>Acute dermal toxicity:</b>	not determined
<b>Acute inhalational toxicity:</b>	not determined
<b>Irritant effect on eye:</b>	not determined
<b>Irritant effect on skin:</b>	not determined
<b>Sensitization:</b>	not determined
<b>Subacute toxicity:</b>	not determined
<b>Chronic toxicity:</b>	not determined
<b>Mutagenicity:</b>	not determined
<b>Reproduction toxicity:</b>	not determined
<b>Carcinogenicity:</b>	not determined
<b>Experiences made in practice:</b>	none
<b>General remarks:</b>	Toxicological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

**12 Ecological information**

<b>Fish toxicity:</b>	not determined
<b>Daphnia toxicity:</b>	not determined
<b>Behaviour in environment compartments:</b>	not determined
<b>Behaviour in sewage plant:</b>	not determined
<b>Bacteria toxicity:</b>	not determined
<b>Biological degradability:</b>	not determined
<b>COD:</b>	not determined
<b>BOD 5:</b>	not determined
<b>AOX-advice:</b>	not applicable
<b>2006/11/EC:</b>	yes
<b>General information:</b>	Ecological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

**13 Disposal considerations**

<b>Product:</b>	Coordinate disposal with the disposal contractor/authorities if necessary.
<b>Contaminated packaging:</b>	Untaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
<b>Waste no. (recommended):</b>	070799

**14 Transport information**

<b>Classification according to ADR:</b>	NO DANGEROUS GOODS
- Classification Code:	
- ADR LQ	
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): -
- Label:	
<b>Classification according to IMDG:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
- EMS	
- IMDG LQ:	
- Label:	
<b>Classification according to IATA:</b>	NOT CLASSIFIED AS "DANGEROUS GOODS"
- Label:	

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**15 Regulatory information**

<b>Exposure scenario:</b>	not determined
<b>Chemical safety report:</b>	not determined
<b>Labelling:</b>	The product does not require a hazard warning label in accordance with EC-directives.
<b>Hazard symbols:</b>	none
<b>R-phrases:</b>	none
<b>S-phrases:</b>	none
<b>Special labelling:</b>	Safety data sheet available for professional user on request.
<b>Authorisation, TITEL VII:</b>	not applicable
<b>Restrictions, TITEL VIII:</b>	not applicable
<b>EEC-REGULATIONS:</b>	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG
<b>TRANSPORT-REGULATIONS:</b>	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
<b>NATIONAL REGULATIONS (GB)</b>	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

**16 Other informations**

<b>R-phrases (Chapter 03):</b>	R 36: Irritating to eyes.
<b>Hazard statements (Chapter 03):</b>	H319 Causes serious eye irritation.
<b>Observe employment restrictions for people:</b>	not applicable
<b>VOC (1999/13/CE):</b>	not applicable
<b>Customs Tariff:</b>	not determined

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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