

Material Safety Data Sheet

According to 91/155 EC

Printing date 15.05.2002

Reviewed on 15.05.2002

1 Identification of substance:

· **Product details:**

· **Product name:** Iron LR

· **Catalog number:** 00515379

· **Manufacturer:**

Tintometer GmbH

Schleefstr. 8 a

44287 Dortmund Made in Germany

· **Informing department:** Product safety department.

· **Emergency information:**

Beratungsstelle für Vergiftungserscheinungen und Embryonaltoxikologie

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2 Composition/Data on components:

· **Chemical characterization**

· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 124-04-9 EINECS Number: 204-673-3 EC Number: 607-144-00-9	adipic acid	Xi; R 36	50-60%
CAS: 65208-41-5 EINECS Number: 249-881-5	calcium thioglycollate tihydrate	T; R 25-36/37/38-43	0.1-1.0%

3 Hazards identification

· **Hazard designation:** Product is classified as hazardous according to the criteria of NOHSC.



Xi Irritant

· **Information pertaining to particular dangers for man and environment**

R 36 Irritating to eyes.

R 43 May cause sensitisation by skin contact.

· **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

· **After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

· **After skin contact** Instantly wash with water and soap and rinse thoroughly.

· **After eye contact**

5 Fire fighting measures

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

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· **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:** Collect mechanically.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:**

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
 - **Components with limit values that require monitoring at the workplace:**
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
 - **Personal protective equipment**
 - **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

9 Physical and chemical properties:

· Form:	Tablets
· Colour:	Yellow
· Odour:	Strong
· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	265°C
· Flash point:	> 100°C
· Ignition temperature:	405.0°C
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Vapour pressure at 20°C:	2.7 hPa

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· Density	Not determined
· Solubility in / Miscibility with Water:	Soluble
· pH-value at 20°C:	4
· Solvent content:	
Organic solvents:	0.0 %
· Solids content:	100.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications. · **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:	
124-04-9 adipic acid	
Oral	LD50 5700 mg/kg (rat)
10043-35-3 boric acid, crude natural, containing not more than 85 per cent of H3BO3 calculated on the dry weight	
Oral	LD50 2660 mg/kg (rat)
Dermal	LD50 > 2000 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** Sensitization possible by skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC

12 Ecological information:

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to disposers of hazardous waste.
- **Un cleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

· **Land transport ADR/RID (cross-border)**
· **ADR/RID-GGVS/E Class:** - Not classified as dangerous in the meaning of transport regulations.

· **Maritime transport IMDG:**
· **IMDG Class:** -
· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**
· **ICAO/IATA Class:** - Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

· **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStofV)

· **Code letter and hazard designation of product:**
Xi Irritant

· **Hazard-determining components of labelling:**
calcium thioglycollate tihydrate

· **Risk phrases:**

36 Irritating to eyes.

43 May cause sensitisation by skin contact.

· **Safety phrases:**

2 Keep out of the reach of children. 24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37 Wear suitable gloves.

46 If swallowed, seek medical advice immediately and show this container or label.

17 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data specification sheet:** Environment protection department. · **Contact:** Dr. Robert Münzberg

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