



## SAFETY DATA SHEET

VITAX 50/50 LIQUID IRON 7%

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Compilation date: 01/12/2015

Revision No: 1

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** VITAX 50/50 LIQUID IRON 7%

**Product code:** RL510D

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

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Vitax Ltd

Owen Street

Coalville

Leicester

Leicestershire

LE67 3DE

United Kingdom

**Tel:** 01530 510060

**Fax:** 01530 510299

**Email:** info@vitax.co.uk

#### 1.4. Emergency telephone number

**Emergency tel:** 01530 510060

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Acute Tox. 4: H302; Skin Corr. 1C: H314

**Most important adverse effects:** Harmful if swallowed. Causes severe skin burns and eye damage.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

**Hazard pictograms:** GHS05: Corrosion

GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

[cont...]

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P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

FERROUS SULPHATE HEPTAHYDRATE (WET)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-753-5	7782-63-0	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	10-30%

CITRIC ACID MONOHYDRATE - REACH registered number(s): 01-2119457026-42

201-069-1	77-92-9	-	Eye Irrit. 2: H319	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Do not induce vomiting. Wash out mouth with water.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

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

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

[cont...]

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**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Not applicable.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Absorb into dry earth or sand.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Not applicable.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Specific end use(s):** PC12: Fertilisers

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

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**Hazardous ingredients:**

**CITRIC ACID MONOHYDRATE**

Type	Exposure	Value	Population	Effect
PNEC	Fresh water	0.44mg/l	-	-
PNEC	Marine water	0.044mg/l	-	-

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PNEC	Fresh water sediments	3.46mg/l	-	-
PNEC	Marine sediments	34.6mg/l	-	-
PNEC	Microorganisms in sewage treatment	>1000mg/l	-	-
PNEC	Soil (agricultural)	33.1mg/kg	-	-

## 8.2. Exposure controls

**Engineering measures:** Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing.

**Environmental:** Not applicable.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Green

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** No data available.

**Viscosity:** No data available.

**Boiling point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point°C:** No data available.

**Autoflammability°C:** No data available.

**Relative density:** 1.17-1.20

**VOC g/l:** No data available.

**Melting point/range°C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** 1.5-2.5

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No data available.

### 10.2. Chemical stability

**Chemical stability:** No data available.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No data available.

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**10.4. Conditions to avoid**

**Conditions to avoid:** Extremes of temperature Direct sunlight.

**10.5. Incompatible materials**

**Materials to avoid:** No data available.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** No data available.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**FERROUS SULPHATE HEPTAHYDRATE (WET)**

DERMAL	RAT	LD50	>1992	mg/kg
ORAL	RAT	LD50	657-4390	mg/kg

**CITRIC ACID MONOHYDRATE**

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	MUS	LD50	5040	mg/kg
ORAL	RAT	LD50	3000	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

[cont...]

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**Hazardous ingredients:**

**CITRIC ACID MONOHYDRATE**

Daphnia magna	24H EC50	1535	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	48H EC50	440	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Dispose of waste and residues in accordance with local authority requirements.  
Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**Recovery operations:** Dispose of in compliance with all local and national requirements.

**Disposal of packaging:** Empty containers should be taken care of as hazardous waste according to local and national provisions.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN3264

**14.2. UN proper shipping name**

**Shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

**14.3. Transport hazard class(es)**

**Transport class:** 8

**14.4. Packing group**

**Packing group:** III

[cont...]

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**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Tunnel code:** E

**Transport category:** 3

**Section 15: Regulatory information**

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

**Specific regulations:** Classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations and the EC Fertiliser Regulations 2003, Regulation (EC) No 1907/2006.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.