

**SAFETY DATA SHEET**

VITALISE

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Compilation date: 01/08/2008

Revision date: 01/04/2015

Revision No: 6

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

**1.1. Product identifier**

Product name: VITALISE

Product code: 520

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

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

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

Company name: Clover Chemicals Ltd

Clover House

Macclesfield Road

Whaley Bridge, High Peak

Derbyshire

SK23 7DQ

UK

Tel: +44 (0) 1663 733114

Fax: +44 (0) 1663 733115

Email: technical@cloverchemicals.com

**1.4. Emergency telephone number**

Emergency tel: NHS Direct 08454647

NHS24 0845242424

ROI 018092166

(office hours only)

**Section 2: Hazards identification**

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

Classification under CLP: Skin Corr. 1A: H314

Most important adverse effects: Causes severe skin burns and eye damage.

**2.2. Label elements**

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

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**Precautionary statements:** P102: Keep out of reach of children.  
P282: Wear eye protection.  
P280: Wear protective gloves.  
P260: Do not breathe spray.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P314: Get medical attention if you feel unwell.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P332+313: If skin irritation occurs: Get medical attention.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313: If eye irritation persists: Get medical attention.  
P363: Wash contaminated clothing before reuse.

## 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:

ORTHOPHOSPHORIC ACID

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-633-2	7664-38-2	-	Skin Corr. 1B: H314	1-10%

C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

POLYMER	160875-66-1	-	Eye Dam. 1: H318	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. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Transfer to hospital as soon as possible.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

[cont...]

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**Ingestion:** There may be irritation of the throat.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. 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:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Transfer to a suitable container.

### 6.4. Reference to other sections

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

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

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

**Storage conditions:** Keep container tightly closed.

**Suitable packaging:** Stainless steel. Polyethylene.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

[cont...]

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**Hazardous ingredients:**

**ORTHOPHOSPHORIC ACID...100%**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-	-

## DNEL/PNEC Values

**DNEL / PNEC** No data available.

## 8.2. Exposure controls

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves. Gloves (acid resistant).

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Barely perceptible odour

**Evaporation rate:** Slow

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Flammability limits %: lower:** Not applicable.

**upper:** Not applicable.

**Flash point°C:** Not applicable.

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density:** 1.025-1.04

**pH:** 1.2

**VOC g/l:** 0

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

[cont...]

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## 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

## 10.4. Conditions to avoid

## 10.5. Incompatible materials

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

##### ORTHOPHOSPHORIC ACID...100%

ORL	RAT	LD50	1530	mg/kg
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##### C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

ORL	RAT	LD50	>2000	mg/kg
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#### Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

Scenedesmus	48H EC50	10 - 100	mg/l
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### 12.2. Persistence and degradability

**Persistence and degradability:** The surfactants contained in this preparation comply with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents. Biodegradable.

[cont...]

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## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Soluble in water.

## 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:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal of packaging:** Dispose of as normal industrial waste.

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

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 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 453/2010.

**Phrases used in s.2 and s.3:** H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

**Legal disclaimer:** According to 1907/2006/EC, Article 31 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.