

**SAFETY DATA SHEET**

TECcare™ Renovator

Descaler &amp; Cleaner

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Compilation date: 17.08.2016

Revision date: 13.11.2019

Revision No: 4

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1. Product Identifier**

Product name: TECcare™ Renovator

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

Uses: Descaler and Cleaner

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

Company name: Talley Environmental Care Ltd (TECcare)  
Hannah Way  
Gordleton Industrial Park  
Lymington  
Hampshire, SO41 8JD

Tel: +44 (0) 1590 615232  
Contact: Technical Department  
Email: technical@teccare.com

**1.4. Emergency telephone number**

Emergency Tel: +44 (0) 1590 615232

**Section 2: Hazards Identification****2.1. Classification under CLP:**

Most important adverse effects: Causes severe skin burns and eye damage. May cause an allergic skin reaction

**2.2. Label elements**Hazard Statements: H314: Causes severe skin burns and eye damage  
H317: May cause an allergic skin reaction

Signal word: Warning

Hazard Pictograms: GHS05: Corrosion



Precautionary phrases: P272: Contaminated work clothing should not be allowed out of the workplace  
P280: Wear protective gloves  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes  
Remove contact lenses, if present and easy to do. Continue rinsing  
P363: Wash contaminated clothing before reuse  
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312: Call a doctor if you feel unwell

**2.3. Other Hazards**

PBT: This product is not identified as a PBT substance

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## Section 3: Composition/Information on Ingredients

### 3.2. Mixtures

Hazardous ingredients:

HYDROCHLORIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-595-7	-	-	Skin Corr. 1B: H314; STOT SE 3: H335	1-10%

ORTHOPHOSPHORIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-633-2	231-633-2	-	Skin Corr. 1B: H314	1-10%

## Section 4: First Aid Measures

### 4.1. Description of first aid measures

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor
Ingestion:	Wash out mouth with water. Consult a doctor
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor

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

Skin contact:	There may be irritation and redness at the site of contact
Eye contact:	There may be irritation and redness. The eyes may water profusely
Ingestion:	There may be soreness and redness of the mouth and throat
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest Exposure may cause coughing or wheezing
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure

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

Immediate / special treatment:	Eye bathing equipment should be available on the premises
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## Section 5: Fire-Fighting Measures

### 5.1. Extinguishing media

Extinguishing media:	Suitable extinguishing media for the surrounding fire should be used
Unsuitable extinguishing agents:	None
Protective equipment:	Wear self-contained breathing apparatus Cool endangered containers with water spray jet

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

Exposure hazards:	In combustion emits toxic fumes
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### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

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## 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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. 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 allow product to enter waters without treatment. Inform authorities in case of contamination of water or sewage system

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

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method

### 6.4. Reference to other sections

Suitable binder: Refer to section 8 of SDS

## Section 7: Handling and Storage

### 7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air

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

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

### 7.3. Specific end use(s)

Suitable packaging: Must only be kept in original packaging

## Section 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Hazardous ingredients:

HYDROCHLORIC ACID 100%

Workplace exposure limits

Respirable dust

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

ORTHOPHOSPHORIC ACID 100%

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

Engineering measures: Ensure there is sufficient ventilation of the area  
Hand protection: Wear appropriate protective gloves  
Eye protection: Safety glasses. Ensure eye bath is to hand  
Skin protection: Wear appropriate personal protective equipment

[cont...]

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## Section 9: Physical and Chemical Properties

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

State:	Liquid
Colour:	Blue
Odour:	Characteristic odour
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Soluble
Also soluble in:	Most organic solvents
Viscosity:	Viscous
Boiling point/range °C:	100
Flash point °C:	70
pH:	<2

### 9.2. Other information

Other information:	No data available
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## Section 10: Stability and Reactivity

### 10.1. Reactivity

Stable under recommended transport or storage conditions

### 10.2. Chemical stability

Chemical stability:	Stable under normal conditions
Minimum shelf life:	2 years from manufacture

### 10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions  
Decomposition may occur on exposure to conditions or materials listed below

### 10.4. Conditions to avoid

Conditions to avoid:	Heat
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### 10.5. Incompatible materials

Materials to avoid:	Strong oxidising agents. Strong acid
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### 10.6. Hazardous decomposition products

Haz. decomposition products:	In combustion emits toxic fume
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## 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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Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

Symptoms / routes of exposure:

Skin contact:	There may be irritation and redness at the site of contact
Eye contact:	There may be irritation and redness. The eyes may water profusely
Ingestion:	There may be soreness and redness of the mouth and throat There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure

## Section 12: Ecological Information

### 12.1. Toxicity

Ecotoxicity values: No data available

### 12.2. Persistence and degradability

Persistence and degradability: The surfactants in this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the component authorities of the Member States and will be made available to them at their direct request or at the request of the detergent manufacturer

### 12.3. Bioaccumulative potential

No bioaccumulation potential is expected

### 12.4. Mobility in soil

Readily absorbed into soil

### 12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance

### 12.6. Other adverse effects

Negligible ecotoxicity

## Section 13: Disposal Considerations

### 13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company  
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

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## Section 14: Transport Information

### 14.1. UN number

UN number: UN1789

### 14.2. UN proper shipping name

Shipping name: HYDROCHLORIC ACID

### 14.3. Transport hazard class(es)

Transport class: 8

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

### 14.6. Special precautions for user

No special precaution

## Section 15: Regulatory Information

### 15.1. Specific regulations:

Not applicable

### 15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out for the substance or mixture by the supplier

## Section 16: 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 3:

H314: Causes severe skin burns and eye damage

H317: May cause an allergic skin reaction

H335: May cause respiratory irritation

R36/38: Irritating to eyes and skin

### Legal disclaimer:

This information and all further technical advice is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and shall be used only as guide. This company shall not be held liable for any damage resulting from having contact with the above product