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Revision No:

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

Product name: TECcare™ Heavy Duty Degreaser

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

Uses: Heavy Duty Degreaser

**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:** Skin Corr. 1A: H314

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

**2.2. Label elements**

Hazard Statements: H314: Causes severe skin burns and eye damage  
Signal word: Danger  
Hazard Pictograms: GHS05: Corrosion



Precautionary phrases: P280: Wear protective gloves/eye protection  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P405: Store locked up

**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:

#### DISODIUM METASILICATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
229-912-9	6834-92-0	-	Skin Corr. 1B: H314; STOT SE 3: H335H314	1-10%

#### 2-(2-BUTOXYETHOXY)ETHANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-961-6	112-34-5	-	Eye Irrit. 2: H319	1-10%

#### 2-BUTOXYETHANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-905-0	111-76-2	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%

#### SODIUM XYLENE SULPHONATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	1300-72-7	-	Eye Dam. 1: H318; Acute Tox. 4: H302	1-10%

#### PRIMARY ALCOHOL ETHOXYLATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	-	-	Eye Dam. 1: H318; Acute Tox. 4: H302	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. Transfer to hospital for specialist examination
Ingestion:	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so

### 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 pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest

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

[cont...]

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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. Use water spray to cool containers

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

Exposure hazards: In combustion emits toxic fumes

### 5.3. 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: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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: 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: Multi-purpose absorbent

## 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. Avoid the formation or spread of mists in the air

### 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)

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## Section 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	67.5 mg/m <sup>3</sup>	101.2 mg/m <sup>3</sup>	-	-

2-BUTOXYETHANOL

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	25 ppm	50 ppm	-	-

### 8.1. DNEL/PNEC Values

DNEL / PNEC: No data available

### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area  
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency  
Hand protection: Wear appropriate protective gloves  
Eye protection: Tightly fitting safety goggles. 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: Characteristic odour  
Oxidising: Non-oxidising (by EC criteria)  
Solubility in water: Soluble  
Also soluble in: Most organic solvents  
Viscosity: Non-viscous  
Flash point°C: 70  
pH: >12.5

### 9.2. Other information

Other information: No data available

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## Section 10: Stability and Reactivity

### 10.1. Reactivity

None

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Conditions to avoid: Heat

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids

### 10.6. Hazardous decomposition products

Haz. decomposition products: In combustion emits toxic fumes

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## Section 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

##### DISODIUM METASILICATE

ORL	MUS	LD50	770	mg/kg
ORL	RAT	LD50	1153	mg/kg

##### 2-(2-BUTOXYETHOXY) ETHANOL

ORL	MUS	LD50	6050	mg/kg
ORL	RAT	LD50	4500	mg/kg

##### 2-BUTOXYETHANOL

IVN	MUS	LD50	307	mg/kg
ORL	RAT	LD50	1230	mg/kg
ORL	RAT	LD50	470	mg/kg

##### SODIUM XYLENE SULPHONA

ORL	RAT	LD50	>7000	mg/kg
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##### PRIMARY ALCOHOL ETHOXYLATE

ORL	RAT	LD50	>200<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 irritation and redness at the site of contact

Eye contact:

There may be pain and redness. The eyes may water profusely. There may be severe pain The vision may become blurred. May cause permanent damage

Ingestion:

There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur

Inhalation:

There may be irritation of the throat with a feeling of tightness in the chest

[cont...]

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## Section 12: Ecological Information

### 12.1. Toxicity

Hazardous ingredients:

PRIMARY ALCOHOL ETHOXYLATE

FISH	96H LC50	1-10	mg/l
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### 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 Eco toxicity

## Section 13: Disposal Considerations

### 13.1. Waste treatment methods

NB: Product must be disposed of according to local regulations pertaining to the disposal of hazardous waste empty and clean contaminated packaging with water before recycling  
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: UN1760

### 14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, N.O.S.  
(DISODIUM METASILICATE)

### 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

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## Section 15: Regulatory Information

### 15.1. Specific regulations:

Not applicable

### 15.2. Chemical Safety Assessment

## 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:** H302: Harmful if swallowed  
H312: Harmful in contact with skin  
H314: Causes severe skin burns and eye damage  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H319: Causes serious eye irritation  
H332: Harmful if inhaled  
H335: May cause respiratory irritation

**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