

## SAFETY DATA SHEET

(TOWER) CLEANSER ULTRA CONCENTRATE

Page: 1

Compilation date: 06/02/2019

Revision No: 1

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

#### 1.1. Product identifier

**Product name:** (TOWER) CLEANSER ULTRA CONCENTRATE

**Product code:** HC1410

**Synonyms:** HC1410 / TFC / TOWER

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

**Use of substance / mixture:** Concentrated heavy duty alkaline cleaner .

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

**Company name:** TFC GROUP

Tower House

Vale Rise

Tonbridge

Kent

TN9 1TB

United Kingdom

**Tel:** 01732 226 247

**Email:** mie@tfc.uk.com

#### 1.4. Emergency telephone number

**Emergency tel:** 01732 226 247

(office hours only)

### Section 2: Hazards identification

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

**Classification under CLP:** Skin Irrit. 2: H315; Eye Irrit. 2: H319

**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

**Precautionary statements:** P102: Keep out of reach of children.

[cont...]

**SAFETY DATA SHEET**  
(TOWER) CLEANSER ULTRA CONCENTRATE

Page: 2

P262: Do not get in eyes, on skin, or on clothing.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P302+P352: IF ON SKIN: Wash with plenty of water.

**Haz. ingredients (label):** Contains:

DISODIUM METASILICATE  
TETRA-SODIUM ETHYLENE DIAMINE TETRA-ACETATE

### 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:

DISODIUM METASILICATE - REACH registered number(s): 01-2119449811-37-XXXX

| EINECS    | CAS       | PBT / WEL | CLP Classification                   | Percent |
|-----------|-----------|-----------|--------------------------------------|---------|
| 229-912-9 | 6834-92-0 | -         | Skin Corr. 1B: H314; STOT SE 3: H335 | 1-10%   |

TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE - REACH registered number(s): 01-2119486762-27-XXXX

|           |         |   |  |       |
|-----------|---------|---|--|-------|
| 200-573-9 | 64-02-8 | - | Acute Tox. 4: H302; Skin Irrit. 2: H315;<br>Eye Dam. 1: H318; Acute Tox. 4: H332;<br>STOT RE 2: H373 | 1-10% |
|-----------|---------|---|--|-------|

## 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. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Not applicable.

### 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:** No symptoms.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

## SAFETY DATA SHEET

(TOWER) CLEANSER ULTRA CONCENTRATE

Page: 3

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## 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. Water based product. Advice relates to dry residues after water has evaporated.

### 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:** Refer to section 8 of SDS for personal protection details. 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. Warning relates to a large spillage, not a single bottle.

### 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. Wash the spillage site with large amounts of water.  
Single bottle spillage: wash down the drain with a large amount of water.

### 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

**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 a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

[cont...]

**SAFETY DATA SHEET**  
(TOWER) CLEANSER ULTRA CONCENTRATE

Page: 4

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| EU    | 2.5mg/m3   | 2.5mg/m3     | -          | -            |

### 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 is recommended in the event of fire or major spillage, or insufficient ventilation (see also section 5).

**Hand protection:** Protective gloves.

**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

**Solubility in water:** Highly 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:** 1.100

**pH:** 11.5 - 12.5

**VOC g/l:** Not applicable.

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

[cont...]

**SAFETY DATA SHEET**  
(TOWER) CLEANSER ULTRA CONCENTRATE

Page: 5

**10.1. Reactivity**

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

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

**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.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**DISODIUM METASILICATE**

|      |     |      |      |       |
|------|-----|------|------|-------|
| ORAL | RAT | LD50 | 1280 | mg/kg |
|------|-----|------|------|-------|

**TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE**

|        |     |      |      |       |
|--------|-----|------|------|-------|
| DERMAL | GPG | LD50 | 5000 | mg/kg |
| ORL    | RAT | LD50 | 3030 | mg/kg |

**Relevant hazards for product:**

| 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 irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** No symptoms.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

**SAFETY DATA SHEET**  
(TOWER) CLEANSER ULTRA CONCENTRATE

Page: 6

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### DISODIUM METASILICATE

|                               |          |     |      |
|-------------------------------|----------|-----|------|
| Daphnia magna                 | 48H EC50 | 216 | mg/l |
| ZEBRAFISH (Brachydanio rerio) | 96H LC50 | 210 | mg/l |

##### TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE

|      |          |      |      |
|------|----------|------|------|
| FISH | 96H LC50 | >100 | mg/l |
|------|----------|------|------|

### 12.2. Persistence and degradability

**Persistence and degradability:** Readily dissociates on dilution into harmless components. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil. Volatile. 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 operations:** Flush down sewerage drain with copious amounts of water.

**Recovery operations:** Not applicable.

**Waste code number:** 20 01 30

**Disposal of packaging:** Dispose of as normal industrial waste. Clean with water.

**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

[cont...]

## SAFETY DATA SHEET

(TOWER) CLEANSER ULTRA CONCENTRATE

Page: 7

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

**Specific regulations:** Not applicable.

### 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.

#### IMPORTANT NOTE:

Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

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

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.

H373: May cause damage to organs (kidneys) through prolonged or repeated exposure (if inhaled).

**Legend to abbreviations:** PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

LDLO = lethal dose low

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

PGP = guinea pig

RBT = rabbit

HAM = hamster

[cont...]

**SAFETY DATA SHEET**  
(TOWER) CLEANSER ULTRA CONCENTRATE

**Page:** 8

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

IPR = intraperitoneal

SCU = subcutaneous

ORL = oral

SKN = skin

DRM = dermal

OCC = ocular/corneal

OPT = optical

ING = ingestion

INH = inhalation

PCP = physico-chemical properties

**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. For professional and industrial use only.