

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : Tri-Clean  
UFI : DGT2-N01E-C007-F8Q8  
Product code : I2  
Type of product : Detergent

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Car cleaning and maintenance

**1.2.2. Uses advised against**

No additional information available

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

|   |  |
|---|--|
| GTECHNIQ LTD<br>Bridge Business Park<br>Upper Heyford<br>NN7 3FA Northampton - United Kingdom<br>T +44 (0)1604 962 553<br><a href="mailto:uk@gtechniq.com">uk@gtechniq.com</a> - <a href="http://www.gtechniq.com">www.gtechniq.com</a> | GTECHNIQ POLAND<br>Detailing Services<br>Pory 60/42, 02-757<br>Warsaw<br>T +48 500 800 639 |
|---|--|

**1.4. Emergency telephone number**

Emergency number : +44 (0)1933 445 260  
For Chemical Emergency Call 24hr / day, 7 days / week.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Full text of H statements : see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.

# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

|                                |  |
|--------------------------------|--|
| Precautionary statements (CLP) | : P102 - Keep out of reach of children.<br>P280 - Wear eye protection, protective clothing, protective gloves.<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P313 - IF exposed or concerned: Get medical advice. |
| Child-resistant fastening      | : Not applicable   |
| Tactile warning                | : Not applicable   |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                         | Product identifier  | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|------------------------------|---|--------|--|
| SODIUM LAURETH SULFATE       | (CAS-No.) 9004-82-4   | 1 - 10 | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2, H319  |
| tetrapotassium pyrophosphate | (CAS-No.) 7320-34-5<br>(EC-No.) 230-785-7<br>(REACH-no) 01-2119489369-18                                    | 1 - 10 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319  |
| 2-Butoxyethanol              | (CAS-No.) 111-76-2<br>(EC-No.) 203-905-0<br>(EC Index-No.) 603-014-00-0<br>(REACH-no) 01-2119475108-36-XXXX | 1 - 10 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  |
| First-aid measures after inhalation   | : Allow affected person to breathe fresh air. Allow the victim to rest.  |
| First-aid measures after skin contact | : Wash skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | : Causes skin and eye irritation.              |
| Symptoms/effects after inhalation   | : May be irritating to the respiratory system. |
| Symptoms/effects after skin contact | : Causes skin irritation.                      |
| Symptoms/effects after eye contact  | : Causes serious eye irritation.               |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract. |

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

Treat symptomatically.

# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Fire hazard : Not flammable.  
Explosion hazard : Product is not explosive.  
Reactivity in case of fire : Not known.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire.  
Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Use water spray or fog for cooling exposed containers.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

- General measures : Avoid contact with skin and eyes.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Ventilate area.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

- For containment : Absorb spillage.  
Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Wear personal protective equipment.  
Hygiene measures : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

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

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use.

# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Incompatible materials : Sources of ignition. Direct sunlight. Strong acids. Strong bases. Strong oxidizing agents.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| 2-Butoxyethanol (111-76-2)                           |   |
|--|---|
| <b>United Kingdom - Occupational Exposure Limits</b> |   |
| Local name   | 2-Butoxyethanol   |
| WEL TWA (mg/m <sup>3</sup> )                         | 123 mg/m <sup>3</sup>   |
| WEL TWA (ppm)  | 25 ppm  |
| WEL STEL (mg/m <sup>3</sup> )                        | 246 mg/m <sup>3</sup>   |
| WEL STEL (ppm)                                       | 50 ppm  |
| Remark (WEL)   | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2) |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>United Kingdom - Biological limit values</b>      |   |
| Local name   | 2-Butoxyethanol   |
| United Kingdom (BEI)                                 | 240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift  |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE   |

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure adequate ventilation.

#### Personal protective equipment:

Avoid all unnecessary exposure. PPE compliant to the recommended EN/ISO or equivalent standards should be selected.

#### Hand protection:

Wear protective gloves.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Wear appropriate mask. Where exposure through inhalation may occur from handling or use, respiratory protection equipment is required. Exposure limits for airborne contaminants must not be exceeded.

#### Other information:

Do not eat, drink or smoke during use.

# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 9: Physical and chemical properties

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

|   |                     |
|---|---------------------|
| Physical state                                  | : Liquid            |
| Appearance                                      | : Milky Liquid.     |
| Colour  | : Colourless.       |
| Odour   | : characteristic.   |
| Odour threshold                                 | : No data available |
| pH  | : 9-12              |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : > 100 °C          |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : Non flammable.    |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20 °C                | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : Soluble.          |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                         |                  |
|-------------------------|------------------|
| Acute toxicity (oral)   | : Not classified |
| Acute toxicity (dermal) | : Not classified |

# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Acute toxicity (inhalation) : Not classified

| 2-Butoxyethanol (111-76-2)                |  |
|---|--|
| LD50 oral rat                             | 1414 mg/kg   |
| LD50 oral                                 | 1746 mg/kg bodyweight  |
| LD50 dermal rat                           | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal                               | 435 mg/kg bodyweight   |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 2200 mg/l  |
| LC50 inhalation rat (Vapours - mg/l/4h)   | 11 mg/l/4h   |

| tetrapotassium pyrophosphate (7320-34-5)  |  |
|---|--|
| LD50 oral                                 | 4640 mg/kg bodyweight  |
| LD50 dermal rabbit                        | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:FMC Non-Definitive Dermal Toxicity Protocol (Number 7), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| LD50 dermal                               | > 4640 mg/kg bodyweight  |
| LC50 inhalation rat (mg/l)                | > 1.1 mg/l air Animal: rat, Guideline: other:FMC Acute Inhalation Toxicity Protocol Number 27, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: other:US EPA Toxic Substances Health Effect Test Guidelines, October, 1984; (PB82-232984) Acute Inhalation Toxicity Study., Guideline: other:Commission of the European Communities, Council Directive 67/548/EEC, Annex V, Part B.2.; May 1, 1987, Guideline: other:US EPA Pesticide Assessment Guidelines: Subdivision F, Hazard Evaluation: Human and Domestic Animals, Nov, 1984; 81-3 Acute Inhalation Study |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 1100 mg/l  |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Germ cell mutagenicity : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Carcinogenicity : Not classified  
Additional information : Based on available data, the classification criteria are not met

| 2-Butoxyethanol (111-76-2) |                      |
|----------------------------|----------------------|
| IARC group                 | 3 - Not classifiable |

Reproductive toxicity : Not classified  
Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified  
Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified  
Additional information : Based on available data, the classification criteria are not met

| 2-Butoxyethanol (111-76-2)          |   |
|-------------------------------------|---|
| NOAEL (dermal, rat/rabbit, 90 days) | > 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |

| tetrapotassium pyrophosphate (7320-34-5) |   |
|--|---|
| NOAEL (oral, rat, 90 days)               | 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Aspiration hazard : Not classified  
Additional information : Based on available data, the classification criteria are not met

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

| 2-Butoxyethanol (111-76-2)     |   |
|--------------------------------|---|
| LC50 fish 1                    | 1464 mg/l   |
| EC50 Daphnia 1                 | ≈ 1800 mg/l Test organisms (species): Daphnia magna   |
| EC50 other aquatic organisms 1 | 1550 mg/l waterflea   |
| EC50 other aquatic organisms 2 | 911 mg/l  |
| EC50 72h algae (1)             | 911 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 72h algae (2)             | 1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC (chronic)                 | 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC chronic fish              | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'                                      |

| tetrapotassium pyrophosphate (7320-34-5) |   |
|--|---|
| LC50 fish 1                              | > 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)             |
| EC50 Daphnia 1                           | > 100 mg/l Test organisms (species): Daphnia magna  |
| EC50 other aquatic organisms 1           | > 100 mg/l waterflea  |
| EC50 72h algae (1)                       | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

#### 12.2. Persistence and degradability

| Tri-Clean                     |                |
|-------------------------------|----------------|
| Persistence and degradability | Biodegradable. |

#### 12.3. Bioaccumulative potential

| Tri-Clean                 |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |

| 2-Butoxyethanol (111-76-2)                      |     |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 0.8 |

| tetrapotassium pyrophosphate (7320-34-5)        |        |
|---|--------|
| Partition coefficient n-octanol/water (Log Pow) | -10.45 |

# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable



# Tri-Clean

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

| Detergent Regulation (648/2004/EC): Ingredient data sheet: |           |         |
|--|-----------|---------|
| Component  | CAS-No.   | %       |
| AQUA   | 7732-18-5 | ≥10%    |
| SODIUM LAURETH SULFATE                                     | 9004-82-4 | 1 - 10% |
| TETRAPOTASSIUM PYROPHOSPHATE                               | 7320-34-5 | 1 - 10% |
| BUTOXYETHANOL  | 111-76-2  | 1 - 10% |

| Detergent Regulation (648/2004/EC): Labelling of contents: |       |
|--|-------|
| Component  | %     |
| phosphates   | 5-15% |

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4           |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4           |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4             |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2         |
| H302                                | Harmful if swallowed.                         |
| H312                                | Harmful in contact with skin.                 |
| H315                                | Causes skin irritation.                       |
| H319                                | Causes serious eye irritation.                |
| H332                                | Harmful if inhaled.                           |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.