

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## FROG UK TFR SUPER

Revision 7  
Revision date 2017-08-01

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

#### 1.1. Product identifier

|                     |                   |
|---------------------|-------------------|
| <b>Product name</b> | FROG UK TFR SUPER |
|---------------------|-------------------|

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

|                    |                                                                   |
|--------------------|-------------------------------------------------------------------|
| <b>Description</b> | Washing and cleaning products (including solvent based products). |
|--------------------|-------------------------------------------------------------------|

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

|                                              |                                                                        |
|----------------------------------------------|------------------------------------------------------------------------|
| <b>Company</b>                               | Frogchem Ltd                                                           |
| <b>Address</b>                               | Unit 3-9 Venture Park<br>Fareham Road<br>Gosport<br>Hants.<br>PO13 0BA |
| <b>Web</b>                                   | www.frogchem.com                                                       |
| <b>Telephone</b>                             | 01372 377400                                                           |
| <b>Fax</b>                                   | 01372 373939                                                           |
| <b>Email</b>                                 | wash@frogchem.com                                                      |
| <b>Email address of the competent person</b> | wash@frogchem.com                                                      |

#### 1.4. Emergency telephone number

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| <b>Emergency telephone number</b> | 01372 377400<br>9.00am - 5.00pm Mon - Fri |
|-----------------------------------|-------------------------------------------|

### SECTION 2: Hazards identification

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

|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| <b>2.1.2. Classification - EC 1272/2008</b> | Skin Irrit. 2: H315; Eye Dam. 1: H318; |
|---------------------------------------------|----------------------------------------|

#### 2.2. Label elements

|                                            |                                                                                                                                                                                                                                                               |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazard pictograms</b>                   |                                                                                                                                                                            |
| <b>Signal Word</b>                         | Danger                                                                                                                                                                                                                                                        |
| <b>Hazard Statement</b>                    | Skin Irrit. 2: H315 - Causes skin irritation.<br>Eye Dam. 1: H318 - Causes serious eye damage.                                                                                                                                                                |
| <b>Precautionary Statement: Prevention</b> | P264 - Wash thoroughly after handling.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.                                                                                                                                   |
| <b>Precautionary Statement: Response</b>   | P302+P352 - IF ON SKIN: Wash with plenty of 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>P310 -Immediately call a POISON CENTER/doctor/ . |

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## 2.2. Label elements

P332+P313 - If skin irritation occurs: Get medical advice/attention.

## 2.3. Other hazards

## Other hazards

No data is available on this product.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

| Chemical Name                                 | Index No.    | CAS No.    | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification                                                  |
|-----------------------------------------------|--------------|------------|-----------|---------------------------|--------------|-----------------------------------------------------------------|
| trisodium nitrilotriacetate. .                | 607-620-00-6 | 5064-31-3  | 225-768-6 |                           | 1 - 10%      | Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319;          |
| Alcohol, ethoxylated, sulphated, sodium salts |              | 68891-38-3 |           |                           | 1 - 10%      | Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412; |
| Alcohol ethoxylate                            |              | 68439-45-2 |           |                           | 1 - 10%      | Acute Tox. 4: H302; Eye Dam. 1: H318;                           |
| Sodium Metasilicate pentahydrate              |              | 10213-79-3 | 229-912-9 | 01-2119449811-37          | 1 - 10%      | Met. Corr. 1: H290; Skin Corr. 1B: H314; STOT SE 3: H335;       |
| Sodium Alkylamine Dicarboxylate               |              |            |           |                           | 1 - 10%      | Eye Irrit. 2: H319;                                             |
| Sodium hydroxide                              | 011-002-00-6 | 1310-73-2  | 215-185-5 |                           | 0.5 - 1%     | Skin Corr. 1A: H314;                                            |

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|              |                                                                                   |
|--------------|-----------------------------------------------------------------------------------|
| Inhalation   | Move the exposed person to fresh air.                                             |
| Eye contact  | Rinse immediately with plenty of water for 15 minutes holding the eyelids open.   |
| Skin contact | Wash off immediately with plenty of soap and water. Remove contaminated clothing. |
| Ingestion    | DO NOT INDUCE VOMITING.                                                           |

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

|              |                                                                                                 |
|--------------|-------------------------------------------------------------------------------------------------|
| Inhalation   | Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. |
| Eye contact  | May cause irritation to eyes.                                                                   |
| Skin contact | May cause irritation to skin.                                                                   |
| Ingestion    | Ingestion may cause nausea and vomiting.                                                        |

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

|              |                                                                          |
|--------------|--------------------------------------------------------------------------|
| Inhalation   | If you feel unwell, seek medical advice (show the label where possible). |
| Eye contact  | Seek medical attention.                                                  |
| Skin contact | Seek medical attention if irritation or symptoms persist.                |
| Ingestion    | If you feel unwell, seek medical advice (show the label where possible). |

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

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

Burning produces irritating, toxic and obnoxious fumes.

## 5.3. Advice for firefighters

Wear self contained breathing apparatus and protective clothing.

## SECTION 6: Accidental release measures

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

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

|  |                                                                                    |
|--|------------------------------------------------------------------------------------|
|  | Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. |
|--|------------------------------------------------------------------------------------|

## 6.2. Environmental precautions

|  |                                                                         |
|--|-------------------------------------------------------------------------|
|  | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|-------------------------------------------------------------------------|

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

|  |                                                                                                              |
|--|--------------------------------------------------------------------------------------------------------------|
|  | Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|--------------------------------------------------------------------------------------------------------------|

## 6.4. Reference to other sections

|  |                                                                                                                                                     |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | See section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION for further information.<br>See section 13. DISPOSAL CONSIDERATIONS for further information. |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

|  |                                                                                                                                                                      |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|  |                                                                                                                    |
|--|--------------------------------------------------------------------------------------------------------------------|
|  | Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. |
|--|--------------------------------------------------------------------------------------------------------------------|

## 7.3. Specific end use(s)

|  |                                                                                                                         |
|--|-------------------------------------------------------------------------------------------------------------------------|
|  | See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information. |
|--|-------------------------------------------------------------------------------------------------------------------------|

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

|  |                                 |
|--|---------------------------------|
|  | Occupational exposure controls. |
|--|---------------------------------|

## 8.1.1. Exposure Limit Values

|                  |                              |                                |
|------------------|------------------------------|--------------------------------|
| Sodium hydroxide | WEL 8-hr limit ppm: -        | WEL 8-hr limit mg/m3: -        |
|                  | WEL 15 min limit ppm: -      | WEL 15 min limit mg/m3: 2      |
|                  | WEL 8-hr limit mg/m3 total - | WEL 15 min limit mg/m3 total - |
|                  | inhalable dust:              | inhalable dust:                |
|                  | WEL 8-hr limit mg/m3 total - | WEL 15 min limit mg/m3 total - |
|                  | respirable dust:             | respirable dust:               |

## 8.2. Exposure controls



## 8.2.1. Appropriate engineering controls

|  |                                                  |
|--|--------------------------------------------------|
|  | Ensure adequate ventilation of the working area. |
|--|--------------------------------------------------|

## 8.2.2. Individual protection measures

|  |                           |
|--|---------------------------|
|  | Wear protective clothing. |
|--|---------------------------|

## Eye / face protection

|  |                          |
|--|--------------------------|
|  | Approved safety goggles. |
|--|--------------------------|

Skin protection -  
Handprotection

|  |                       |
|--|-----------------------|
|  | Wear suitable gloves. |
|--|-----------------------|

## Skin protection - Other

|  |                                    |
|--|------------------------------------|
|  | Wear suitable protective clothing. |
|--|------------------------------------|

## Respiratory protection

|  |                                                     |
|--|-----------------------------------------------------|
|  | Wear suitable respiratory equipment when necessary. |
|--|-----------------------------------------------------|

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## 8.2. Exposure controls

|                                |                                                      |
|--------------------------------|------------------------------------------------------|
| Occupational exposure controls | Keep away from food, drink and animal feedingstuffs. |
|--------------------------------|------------------------------------------------------|

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

|                           |                                          |
|---------------------------|------------------------------------------|
| Appearance                | Liquid                                   |
| Colour                    | Blue                                     |
| Odour                     | Characteristic                           |
| Odour threshold           | No data available                        |
| pH                        | 13 - 14                                  |
| Melting point             | No data available                        |
| Freezing Point            | No data available                        |
| Initial boiling point     | No data available                        |
| Flash point               | No data available                        |
| Evaporation rate          | No data available                        |
| Flammability (solid, gas) | No data available                        |
| Vapour pressure           | No data available                        |
| Vapour density            | No data available                        |
| Relative density          | 1.1 - 1.2 (H <sub>2</sub> O = 1 @ 20 °C) |
| Fat Solubility            | No data available                        |
| Partition coefficient     | No data available                        |
| Autoignition temperature  | No data available                        |
| Viscosity                 | No data available                        |
| Explosive properties      | No data available                        |
| Oxidising properties      | No data available                        |
| Solubility                | Soluble in water                         |

## 9.2. Other information

|                                  |                   |
|----------------------------------|-------------------|
| Conductivity                     | No data available |
| Surface tension                  | No data available |
| Gas group                        | No data available |
| Benzene Content                  | No data available |
| Lead content                     | No data available |
| VOC (Volatile organic compounds) | No data available |

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 10.4. Conditions to avoid

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 10.5. Incompatible materials

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 10.6. Hazardous decomposition products

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

|                               |                               |
|-------------------------------|-------------------------------|
| Skin corrosion/irritation     | May cause irritation to skin. |
| Serious eye damage/irritation | May cause irritation to eyes. |

## 11.1.4. Toxicological Information

|                                               |                                                         |
|-----------------------------------------------|---------------------------------------------------------|
| Alcohol, ethoxylated, sulphated, sodium salts | Oral Rat LD50: > 2000mg/kg                              |
| Sodium Alkylamine Dicarboxylate               | Dermal Rat LD50: > 2000mg/kg Oral Rat LD50: > 1500mg/kg |
| Sodium hydroxide                              | Oral Rat LD50: 2000 mg/kg                               |
| trisodium nitrilotriacetate. .                | Oral Rat LD50: 1450 mg/kg                               |

## SECTION 12: Ecological information

## 12.1. Toxicity

|                                               |                                                             |
|-----------------------------------------------|-------------------------------------------------------------|
| Alcohol ethoxylate                            | Fish LC50/96h: 10.0000 mg/l                                 |
| Alcohol, ethoxylated, sulphated, sodium salts | Algae EC50/72h: > 10mg/l Green Algae EC50/48h: > 1mg/l      |
| Sodium Alkylamine Dicarboxylate               | Daphnia EC50/48h: 97.5000 mg/l Algae IC50/72h: 31.0000 mg/l |
| Sodium hydroxide                              | Fish LC50/96h: 4.2000 mg/l                                  |
| Sodium Metasilicate pentahydrate              | Daphnia EC50/48h: 76 mg/l Fish LC50/96h: 45.4000 mg/l       |
|                                               | Daphnia EC50/48h: 1700.0000 mg/l Algae EC50/72h: 207 mg/l   |
|                                               | Brachydanio Rerio LC50/96h: 180 mg/l                        |
| trisodium nitrilotriacetate. .                | Daphnia EC50/48h: 780 mg/l                                  |

## 12.2. Persistence and degradability

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 12.3. Bioaccumulative potential

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## Partition coefficient

|  |                                     |
|--|-------------------------------------|
|  | FROG UK TFR SUPER No data available |
|--|-------------------------------------|

## 12.4. Mobility in soil

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 12.5. Results of PBT and vPvB assessment

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 12.6. Other adverse effects

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

|  |                                                                   |
|--|-------------------------------------------------------------------|
|  | Dispose of in compliance with all local and national regulations. |
|--|-------------------------------------------------------------------|

## SECTION 14: Transport information

## 14.1. UN number

|  |                                                          |
|--|----------------------------------------------------------|
|  | The product is not classified as dangerous for carriage. |
|--|----------------------------------------------------------|

## 14.2. UN proper shipping name

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## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

No data is available on this product.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

No data is available on this product.

## SECTION 15: Regulatory information

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

## Regulations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

## 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

## Other information

## Revision

This document differs from the previous version in the following areas:.

2 - Precautionary Statement: Response.

## Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Carc. 2: H351 - Suspected of causing cancer .  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.  
 Met. Corr. 1: H290 - May be corrosive to metals.  
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
 STOT SE 3: H335 - May cause respiratory irritation.  
 Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and

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Further information

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|  |                                                                                                                                                                                                                                                                |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
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