SAFETY DATA SHEET

according to UK REACH Regulations (SI 2019/758 as amended) and Regulation (EU) 2020/878

FROGPRO ORANGE TFR

Revision 0

Revision date 2026-10-26

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

1.1. Product identifier

Product name	FROGPRO ORANGE TFR

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products);
Description	Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

Emergency telephone number	01372 377400 9.00am - 5.00pm Mon - Fri UK Environment Agency 24hour Advisory Service 0800 807060. Irish Environmental Protection Agency 1890 335599.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Skin Corr. 1B: H314;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

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FROGPRO ORANGE TFR

2.2. Label elements

Precautionary Statement: Prevention	P102 Keep out of reach of children. P103 Read label before use. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

Other hazards	This product does not contain any substances classified as PBT or vPvB. This product contains a known or suspected endocrine disruptor.

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
Alcohol, ethoxylated, sulphated, sodium salts	NULL	68891-38-3			1 - 10%	Skin Irrit. 2: H315; Eye Dam. 1: H318;
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		1 - 10%	Skin Corr. 1A: H314;
Sodium Metasilicate pentahydrate	NULL	10213-79-3	229-912-9	01-2119449811-37	1 - 10%	Met. Corr. 1: H290; Skin Corr. 1B: H314; STOT SE 3: H335;
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;

Further information

	Full text of Hazard Statements listed in this Section is provided in Section 16.

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	Causes severe burns.
Skin contact	Causes severe burns.
Ingestion	Ingestion may cause nausea and vomiting. Ingestion causes burns to the respiratory tract.

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	Immediate medical attention is required.
Skin contact	Immediate medical attention is required.
Ingestion	Immediate medical attention is required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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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

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.
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

Ethylene glycol monobutyl ether (2-Butoxyethanol)	**WEL 8-hr limit ppm:**	25	**WEL 8-hr limit mg/m3:**	123
	WEL 15 min limit ppm:	50	**WEL 15 min limit mg/m3:**	246
	WEL 8-hr limit mg/m3 INH:	-	**WEL 15 min limit mg/m3 INH:**	-
	WEL 8-hr limit mg/m3 RES:	-	**WEL 15 min limit mg/m3 RES:**	-
	Notes:	Sk, BMGV	**PNEC FW/MW g/L:**	- /-
	PNEC SED FW/MW mg/kg dw:	- /-	**PNEC SOIL mg/kg dw/STP mg/L:**	- /-
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 INH:	-	**WEL 15 min limit mg/m3 INH:**	-
	WEL 8-hr limit mg/m3 RES:	-	**WEL 15 min limit mg/m3 RES:**	-
	Notes:		**PNEC FW/MW g/L:**	- /-
	PNEC SED FW/MW mg/kg dw:	- /-	**PNEC SOIL mg/kg dw/STP mg/L:**	- /-

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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.
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	Orange
Odour	Slight
Odour threshold	No data available
pH	12 - 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
Density / Relative Density	1.12 - 1.13
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

9.2.1. Information with regard to physical hazard classes

No data is available on this product.

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9.2.2. Other safety characteristics

	No data is available on this product.

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.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Skin corrosion/irritation	Causes severe burns.
Serious eye damage/irritation	Causes severe burns.
Respiratory or skin sensitisation	No sensitizaton effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological Information

Alcohol, ethoxylated, sulphated, sodium salts	**Oral Rat LD50:** 4100mg/kg	
Ethylene glycol monobutyl ether	**Dermal Rat LD50:** 1100mg/kg	**Oral Rat LD50:** 1300mg/kg
Sodium hydroxide	**Oral Rat LD50:** 2000 mg/kg	

11.2 Information on other hazards

	No data is available on this product.

SECTION 12: Ecological information

12.1. Toxicity

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12.1. Toxicity

Alcohol, ethoxylated, sulphated, sodium salts	**Daphnia EC50/48h:** 7.4000 mg/l **Fish LC50/96h:** 7.1000 mg/l **Green Algae EC50/48h:** > 1mg/l	**Algae IC50/72h:** 27.7000 mg/l **Algae EC50/72h:** > 10mg/l
Ethylene glycol monobutyl ether	**Daphnia EC50/48h:** 1550.0000 mg/l **Rainbow trout LC50/96h:** 1474mg/l	**Algae EC50/72h:** 1840mg/l
Sodium hydroxide	**Daphnia EC50/48h:** 76 mg/l	**Fish LC50/96h:** 45.4000 mg/l
Sodium Metasilicate pentahydrate	**Daphnia EC50/48h:** 1700.0000 mg/l **Brachydanio Rerio LC50/96h:** 180 mg/l	**Algae EC50/72h:** 207 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

FROGPRO ORANGE TFR 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 Endocrine disrupting properties

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.

General information

Contact a licensed waste disposal company.

Disposal of packaging

Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3266

14.2. UN proper shipping name

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)

14.3. Transport hazard class(es)

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14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4. Packing group

Packing group	III

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6. Special precautions for user

	Ensure that persons handling the product know what to do in the event of an accident or spillage.

14.7 Maritime Transport in bulk according to IMO instruments

	Not applicable. Product is not transported in bulk according to MARPOL and the IBC Code.

ADR/RID

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code	F-A S-B

IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

Further information

	Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

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.

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FROGPRO ORANGE TFR

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

This Safety Data Sheet is prepared in accordance with UK REACH, being Regulation (EC) No 1907/2006 as retained and amended in UK law by the European Union (Withdrawal) Act 2018 and the REACH (Amendment) (EU Exit) Regulations 2019 (SI 2019/758), as amended and follows the structure of COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1272/2008 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The Health and Safety at Work etc. Act 1974;
The Personal Protective Equipment (Enforcement) Regulations 2018;
The Personal Protective Equipment at Work Regulations 1992;
The Control of Substances Hazardous to Health Regulations 2002;
The Dangerous Substances and Explosive Atmospheres Regulations 2002;
The Waste (England and Wales) Regulations 2011;
The Control of Major Accident Hazards Regulations 2015;
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Acronyms

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road;
AIIC - Australian Inventory of Industrial Chemicals;
ASTM -American Society for the Testing of Materials; bw - Body weight;
CMR - Carcinogen, Mutagen or Reproductive Toxicant;
DIN - Standard of the German Institute for Standardisation;
DSL - Domestic Substances List (Canada);
ECx - Concentration associated with x% response;
ELx - Loading rate associated with x% response;
EmS -Emergency Schedule;
ENCS - Existing and New Chemical Substances (Japan);
ErCx -Concentration associated with x% growth rate response;
GHS - Globally Harmonized System;
GLP - Good Laboratory Practice;
IARC - International Agency for Research on Cancer;
IATA - International Air Transport Association;
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IC50 - Half maximal inhibitory concentration;
ICAO - International Civil Aviation Organization;
IECSC - Inventory of Existing Chemical Substances in China;
IMDG - International Maritime Dangerous Goods;
IMO - International Maritime Organization;
ISHL - Industrial Safety and Health Law (Japan);
ISO - International Organisation for Standardization;
KECI - Korea Existing Chemicals Inventory;
LC50 - Lethal Concentration to 50 % of a test population;
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose);
MARPOL - International Convention for the Prevention of Pollution from Ships;

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FROGPRO ORANGE TFR

Revision 0
Revision date 2026-10-26

Other information

	N.O.S. -Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS -Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative.
Data sources	The information contained in this Safety Data Sheet is based on UK REACH (retained Regulation (EC) No. 1907/2006 as amended), Regulation (EC) No. 1272/2008 (GB CLP) as retained and amended for Great Britain, data from the UK Health and Safety Executive (HSE), relevant European Chemicals Agency (ECHA) data where applicable, IUCLID dossiers, OECD guidelines, scientific literature, and information provided by suppliers.
Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Met. Corr. 1: H290 - May be corrosive to metals. STOT SE 3: H335 - May cause respiratory irritation. Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Acute Tox. 4: H332 - Harmful if inhaled.
Labelling for contents	anionic surfactants 5 - 15% EDTA and salts thereof, < 5%

General information

	Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law. Training: All staff who handle or work with chemical products should receive appropriate training on the hazards, safe handling, storage, emergency procedures, and the use of personal protective equipment (PPE) before commencing work. Refresher training should be provided regularly.

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 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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