

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Pro Foam

Revision date 2014-07-30

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

1.1. Product identifier

Product name Pro Foam

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

Description Aerosol.

1.3. Details of the supplier of the safety data sheet

Company	Tough Technology Products Limited
Address	Eaton Place Business Centre 114 Washway Road Sale Cheshire M33 7RF United Kingdom
Web	www.ttproducts.com
Telephone	+44 800 772 0996
Email	sales@ttproducts.com
Email address of the competent person	brendanl@ttproducts.com

1.4. Emergency telephone number

Emergency telephone number +44 800 772 0996
9.00am - 5.00pm Mon-Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	F+; R12 Xi; R36 Symbols: F+: Extremely flammable. Xi: Irritant.
Main hazards	Extremely flammable. Irritating to eyes.
2.1.2. Classification - EC 1272/2008	Aerosols 1: H222; Aerosol 1, 2, 3: H229; Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Aerosols 1: H222 - Extremely flammable aerosol.
Aerosols, 1, 2, 3: H229 - Pressurised container: May burst if heated.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary Statement: Prevention

P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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2.2. Label elements

Precautionary Statement: Storage	P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

2.3. Other hazards

Other hazards	P264 - Wash thoroughly after handling. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents/container to / in accordance with national regulations.
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SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethanol	603-002-00-5	64-17-5	200-578-6	01-2119457610-43	1 - 10%	F; R11
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	10 - 20%	F; R11 Xi; R36 R67
Propane	601-003-00-5	74-98-6	200-827-9	01-2119486944-21	1 - 10%	F+; R12
Butane	601-004-00-0	106-97-8	203-448-7	01-2119474691-32	1 - 10%	F+; R12
Methanol	603-001-00-X	67-56-1	200-659-6	01-2119433307-44	0 - 0.5%	F; R11 T; R23/24/25-39/23/24/25
Sodium lauryl ether sulphate		68585-34-2			1 - 10%	Xi; R38-41
Amine Oxide		68955-55-5	273-281-2		0 - 0.5%	Xi; R38-41 N; R50
Corrosion Inhibitor ZO309					0 - 0.5%	Xi; R36/38
Wild Lemon Fragrance PN786918					0 - 0.5%	Xn; R65 Xi; R38-43 N; R50/53 R10
Ammonia solution	007-001-01-2	1336-21-6	215-647-6		0 - 0.5%	C; R34 N; R50
Corrosion Inhibitor RT70		26038-87-9	247-421-8		0 - 0.5%	Xi; R36/37/38
Sodium nitrite	007-010-00-4	7632-00-0	231-555-9		0 - 0.5%	O; R8 T; R25 N; R50

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3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethanol	603-002-00-5	64-17-5	200-578-6	01-2119457610-43	1 - 10%	Flam. Liq. 2: H225;
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	10 - 20%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
Propane	601-003-00-5	74-98-6	200-827-9	01-2119486944-21	1 - 10%	Flam. Gas 1: H220;
Butane	601-004-00-0	106-97-8	203-448-7	01-2119474691-32	1 - 10%	Flam. Gas 1: H220;
Methanol	603-001-00-X	67-56-1	200-659-6	01-2119433307-44	0 - 0.5%	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H301; STOT SE 1: H370;
Sodium lauryl ether sulphate		68585-34-2			1 - 10%	
Amine Oxide		68955-55-5	273-281-2		0 - 0.5%	
Corrosion Inhibitor ZO309					0 - 0.5%	
Wild Lemon Fragrance PN786918					0 - 0.5%	
Ammonia solution	007-001-01-2	1336-21-6	215-647-6		0 - 0.5%	Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Corrosion Inhibitor RT70		26038-87-9	247-421-8		0 - 0.5%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
Sodium nitrite	007-010-00-4	7632-00-0	231-555-9		0 - 0.5%	Ox. Sol. 3: H272; Acute Tox. 3: H301; Aquatic Acute 1: H400;

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	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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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.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	See section 8 and 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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7.3. Specific end use(s)

	No data is available on this product.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Occupational exposure controls.
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8.1.1. Exposure Limit Values

Butane	WEL 8-hr limit ppm: 600	WEL 8-hr limit mg/m ³ : 1450
	WEL 15 min limit ppm: 750	WEL 15 min limit mg/m ³ : 1810
Ethanol	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m ³ : 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m ³ : -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m ³ : 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m ³ : 1250
Methanol	WEL 8-hr limit ppm: 200	WEL 8-hr limit mg/m ³ : 266
	WEL 15 min limit ppm: 250	WEL 15 min limit mg/m ³ : 333

8.2. Exposure controls



8.2.1. Appropriate engineering controls

	Ensure adequate ventilation of the working area.
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8.2.2. Individual protection measures

	Wear protective clothing.
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Eye / face protection

	In case of splashing, wear:.. Approved safety goggles.
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Skin protection - Handprotection

	Chemical resistant gloves (PVC).
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Aerosol
Colour	Clear
Odour	Characteristic

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data available.
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10.4. Conditions to avoid

	No data available.
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10.5. Incompatible materials

	No data available.
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10.6. Hazardous decomposition products

	Burning produces obnoxious and irritating fumes.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Contact a licensed waste disposal company.
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Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

Hazard pictograms

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Hazard pictograms	
	
14.1. UN number	
	UN1950
14.2. UN proper shipping name	
	AEROSOLS
14.3. Transport hazard class(es)	
ADR/RID	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63
14.4. Packing group	
Packing group	-
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	
Hazard ID	-
Tunnel Category	(D)
IMDG	
EmS Code	F-D S-U
IATA	
Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction (Passenger)	203
Maximum quantity	75 kg
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	<p>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.</p> <p>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.</p>
15.2. Chemical safety assessment	
	A chemical safety assessment has not been carried out on this product.

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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	<p>R8 - Contact with combustible material may cause fire.</p> <p>R10 - Flammable</p> <p>R11 - Highly flammable.</p> <p>R12 - Extremely flammable.</p> <p>R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.</p> <p>R25 - Toxic if swallowed.</p> <p>R34 - Causes burns.</p> <p>R36/37/38 - Irritating to eyes, respiratory system and skin.</p> <p>R36/38 - Irritating to eyes and skin.</p> <p>R36 - Irritating to eyes.</p> <p>R38 - Irritating to skin.</p> <p>R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</p> <p>R41 - Risk of serious damage to eyes.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R50 - Very toxic to aquatic organisms.</p> <p>R65 - Harmful: may cause lung damage if swallowed.</p> <p>R67 - Vapours may cause drowsiness and dizziness.</p>
Text of Hazard Statements in Section 3	<p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>STOT SE 3: H336 - May cause drowsiness or dizziness.</p> <p>Flam. Gas 1: H220 - Extremely flammable gas.</p> <p>Acute Tox. 3: H301 - Toxic if swallowed.</p> <p>Acute Tox. 3: H311 - Toxic in contact with skin.</p> <p>Acute Tox. 3: H331 - Toxic if inhaled.</p> <p>STOT SE 1: H370 - Causes damage to organs .</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Ox. Sol. 3: H272 - May intensify fire; oxidiser.</p>
Further information	<p>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.</p>