

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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D-Grease

Revision date 2014-07-23

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

1.1. Product identifier

Product name D-Grease

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	brendan@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; R36/38 N; R51/53 R67 Symbols: F+: Extremely flammable. Xi: Irritant. N: Dangerous for the environment.
Main hazards	Extremely flammable. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.
2.1.2. Classification - EC 1272/2008	Aerosols 1: H222; Aerosol 1, 2, 3: H229; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H336; Aquatic Chronic 2: H411;

2.2. Label elements

Hazard pictograms	Contains: Naphtha (Petroleum) hydrotreated, light. 
Signal Word	Danger
Hazard Statement	Aerosols 1: H222 - Extremely flammable aerosol. Aerosols, 1, 2, 3: H229 - Pressurised container: May burst if heated. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.

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2.2. Label elements

Precautionary Statement: Prevention	STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
	P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Storage	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

2.3. Other hazards

Other hazards	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P302+P352 - IF ON SKIN: Wash with plenty of water/ . 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. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. 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
SBP 60/95 Low n-Hexane		64742-49-0	265-151-9	01-2119486291-36 01-2119486291-36	20 - 30%	F; R11 Xn; R65 Xi; R38 N; R51/53 R67
Propane	601-003-00-5	74-98-6	200-827-9	01-2119486944-21	20 - 30%	F+; R12
Butane	601-004-00-0	106-97-8	203-448-7	01-2119474691-32	20 - 30%	F+; R12
Acetone	606-001-00-8	67-64-1	200-662-2	01-2119471330-49	10 - 20%	F; R11 Xi; R36 R66 R67
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	10 - 20%	F; R11 Xi; R36 R67

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
SBP 60/95 Low n-Hexane		64742-49-0	265-151-9	01-2119486291-36 01-2119486291-36	20 - 30%	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411;
Propane	601-003-00-5	74-98-6	200-827-9	01-2119486944-21	20 - 30%	Flam. Gas 1: H220;
Butane	601-004-00-0	106-97-8	203-448-7	01-2119474691-32	20 - 30%	Flam. Gas 1: H220;
Acetone	606-001-00-8	67-64-1	200-662-2	01-2119471330-49	10 - 20%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
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;

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.

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4.1. Description of first aid measures

Ingestion	DO NOT INDUCE VOMITING.
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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

	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

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8.1.1. Exposure Limit Values

Acetone	WEL 8-hr limit ppm: 500	WEL 8-hr limit mg/m ³ : 1210
	WEL 15 min limit ppm: 1500	WEL 15 min limit mg/m ³ : 3620
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
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

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	In case of splashing, wear: Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

SECTION 9: Physical and chemical properties

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

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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



14.1. UN number

	UN1950
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14.2. UN proper shipping name

	AEROSOLS
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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	-
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	(D)

IMDG

EmS Code	F-D S-U
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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>
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15.2. Chemical safety assessment

	A chemical safety assessment has not been carried out for this product.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	<p>R11 - Highly flammable.</p> <p>R12 - Extremely flammable.</p> <p>R36 - Irritating to eyes.</p> <p>R38 - Irritating to skin.</p> <p>R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R65 - Harmful: may cause lung damage if swallowed.</p> <p>R66 - Repeated exposure may cause skin dryness or cracking.</p> <p>R67 - Vapours may cause drowsiness and dizziness.</p>
Text of Hazard Statements in Section 3	<p>Flam. Gas 1: H220 - Extremely flammable gas.</p> <p>EUH066 - Repeated exposure may cause skin dryness or cracking.</p> <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>

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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