

SAFETY DATA SHEET

FIXT Engine Degreaser Fluid

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

1.1. Product identifier

Product name FIXT Engine Degreaser Fluid
 Product number FX081175

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

Identified uses Engine cleaner.

1.3. Details of the supplier of the safety data sheet

Supplier Seymour Road
 Nuneaton
 Warwickshire
 CV11 4LB

 02476 322 126 (T)
 02476 322 117 (F)
 info@fixtconsumables.com

1.4. Emergency telephone number

Emergency telephone 02476 322 126

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
 Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304
 Environmental hazards Aquatic Chronic 3 - H412

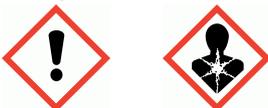
Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R36. R52/53.

Environmental The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Physicochemical Combustion or thermal decomposition will liberate Carbon Dioxide and possibly Carbon Monoxide.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements	<p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P102 Keep out of reach of children.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p> <p>P260 Do not breathe vapour/spray.</p> <p>P262 Do not get in eyes, on skin, or on clothing.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P301 IF SWALLOWED:</p> <p>P315 Get immediate medical advice/attention.</p>
Supplemental label information	RCH002b For professional users only.
Contains	AROMATIC HYDROCARBON
Detergent labelling	5 - < 15% aromatic hydrocarbons, < 5% anionic surfactants, < 5% phosphates

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

AROMATIC HYDROCARBON 10-30%		
CAS number: 64742-95-6	EC number: 265-199-0	REACH registration number: 01-2119486773-24
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	
2-BUTOXYETHANOL 1-5%		
CAS number: 111-76-2	EC number: 203-905-0	REACH registration number: 01-2119475108-36
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xn;R20/21/22 Xi;R36/38	
TRIETHANOLAMINE 90% 1-5%		
CAS number: 102-71-6	EC number: 203-049-8	REACH registration number: 01-2119486482-31
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi;R36/38.	

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SODIUM TRIPOLYPHOSPHATE		1-5%
CAS number: 7758-29-4	REACH registration number: 01-2119430450-54	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi;R36/37/38.	
FORMALDEHYDE ...%		<1%
CAS number: 50-00-0	EC number: 200-001-8	REACH registration number: 01-2119488953-20
Classification Skin Corr. 1B - H314 Skin Sens. 1 - H317 Carc. 2 - H351 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 3 - H335 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 T;R23/24/25 C;R34 R43	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air at once.
Inhalation	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

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Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. Extremely flammable. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

5.3. Advice for firefighters

Protective actions during firefighting Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

AROMATIC HYDROCARBON

Long-term exposure limit (8-hour TWA): SUP 600 mg/m³

Long-term exposure limit (8-hour TWA): WEL 50 ppm

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 123 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm(Sk)

TRIETHANOLAMINE 90%

Long-term exposure limit (8-hour TWA): No std.

SODIUM TRIPOLYPHOSPHATE

Long-term exposure limit (8-hour TWA): No std.

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FORMALDEHYDE ...%

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits SUP = Supplier's recommendation.

Sulphuric acid, mono-C12-14 (even numbered)-alkyl esters, compounds with triethanolamine

DNEL	<p>Industry - Inhalation; Long term systemic effects: 285 mg/m³</p> <p>Industry - Dermal; Long term systemic effects: 4060 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 85 mg/m³</p> <p>Consumer - Dermal; Long term systemic effects: 2440 mg/kg/day</p> <p>Consumer - Oral; Long term systemic effects: 24 mg/kg/day</p>
PNEC	<p>- Fresh water; 0.012 mg/l</p> <p>- Marine water; 0.0012 mg/l</p> <p>- STP; 1.35 mg/l</p> <p>- Sediment (Freshwater); 0.422 mg/kg</p> <p>- Sediment (Marinewater); 0.0422 mg/kg</p> <p>- Soil; 0.083 mg/kg</p>

FORMALDEHYDE ...% (CAS: 50-00-0)

DNEL	<p>Industry - Inhalation; Short term local effects: 1 mg/m³</p> <p>Industry - Dermal; Long term systemic effects: 240 mg/kg/day</p> <p>Industry - Inhalation; Long term systemic effects: 9 mg/m³</p> <p>Industry - Inhalation; Long term local effects: 0.5 mg/m³</p> <p>Consumer - Oral; Long term systemic effects: 4.1 mg/kg/day</p> <p>Consumer - Dermal; Long term systemic effects: 102 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 3.2 mg/m³</p> <p>Consumer - Inhalation; Long term local effects: 0.1 mg/m³</p>
PNEC	<p>- Fresh water; 0.47 mg/l</p> <p>- Marine water; 0.47 mg/l</p> <p>- Intermittent release; 4.7 mg/l</p> <p>- Sediment; 2.44 mg/kg</p> <p>- Sediment (Marinewater); 2.44 mg/kg</p> <p>- Soil; 0.21 mg/kg</p> <p>- STP; 0.19 mg/l</p>

8.2. Exposure controls

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.
Personal protection	When using do not smoke
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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Appearance	Emulsion.
Colour	Clear.
Odour	Hydrocarbons.
Melting point	< -50°C
Initial boiling point and range	175 -210°C @
Flash point	>60°C CC (Closed cup).
Evaporation rate	0.05 (BuAc = 1)
Relative density	0.977 @ °C
Auto-ignition temperature	>200°C
Viscosity	1.2 mPa s @ 20°C
Comments	Information given is applicable to the major ingredient.

9.2. Other information

Other information	Not available.
Volatile organic compound	This product contains a maximum VOC content of 768 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable at normal ambient temperatures and when used as recommended.
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10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Does not decompose when used and stored as recommended.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Keep away from oxidising materials, heat and flames.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	13,496.93
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Acute toxicity - dermal

ATE dermal (mg/kg)	35,333.33
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Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	366.67
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Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	Repeated exposure may cause skin dryness or cracking. Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema.
Eye contact	May cause temporary eye irritation.
Acute and chronic health hazards	Gas or vapour is harmful on prolonged exposure or in high concentrations. Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema.
Route of entry	Inhalation Skin and/or eye contact
Target organs	Respiratory system, lungs Skin
Medical symptoms	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Skin irritation.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity Not available.

12.2. Persistence and degradability

Persistence and degradability Not available.

12.3. Bioaccumulative potential

Bioaccumulative potential Not available.

12.4. Mobility in soil

Mobility Not known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

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14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Supplemental information added.
Revision date	17/06/2016
Revision	3
SDS number	12427

FIXT Engine Degreaser Fluid

Risk phrases in full

R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.