SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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

1.1 Product identifier

- Product Name: Weldtite Thunder Foam
- Product Part Number: BF03097 (500ml)
- UFI: SVJ8-U09X-F00A-P7KY

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

- Use of the substance/mixture: Cleaning agent

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Weldtite Products Ltd
- Address of Supplier: Unit 9, Harrier Road, Humber Bridge Industrial Estate, Barton upon Humber, North Licolnshire, DN18 5RP UK
- Telephone: +44 (0)1652 660000
- Email: Sales@weldtite.co.uk Web: www.weldtite.cc

EU Authorised Representative: Comply Express Unipessoal Limitada, StartUp Madeira, EV141, Campus daPenteada, 9020 105 Funchal, Portugal
Tel: (+351) 300509778
Email : info@complyexpress.com

1.4 Emergency telephone number

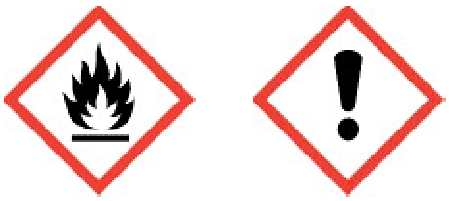
- Emergency Telephone: UK: Contact the NHS Information Service (dial 111, 24hr service)
- Company: +44 (0)1652 660000 (Mon-Fri 09:00-16:30)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Aerosol 1, Met. Corr. 1, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 3

2.2 Label elements



- Signal Word: Danger
- Contains: Citrus Terpenes

Hazard statements

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H290 - May be corrosive to metals.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

SECTION 2: Hazards identification (....)

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.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501 - Dispose of contents/container to an authorised waste collection point

Supplemental Hazard information (EU)

Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents: Aliphatic hydrocarbons 5<15% (propellant), aliphatic hydrocarbons <5%, amphoteric surfactants <5%, anionic surfactants <5%, perfumes D-Limonene

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Common Delegated Regulation (EU) 2017/2010 or Common Regulation (EU) 2018/605 at a concentration equal or greater than 0.1%.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Petroleum gases, liquefied

CAS Number: 68476-85-7
EC Number: 270-704-2
Index No.: 649-202-00-6 (EC)
Concentration: 10-30%
Categories: Flam. Gas 1, Press. Gas
H Statements: H220;H280

1-methoxy-2-propanol

CAS Number: 107-98-2
EC Number: 203-539-1
Index No.: 603-064-00-3 (EC)
Concentration: 1-10%
Categories: Flam. Liq. 3, STOT SE 3
H Statements: H226;H336

Citrus Terpenes

CAS Number: 8028-48-6
EC Number: 232-433-8
Concentration: 1-10%
Categories: Flam. Liq. 3, Eye Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Chronic 2
H Statements: H226;H304;H317;H319;H411

sodium hydroxide

CAS Number: 1310-73-2
EC Number: 215-185-5
Index No.: 011-002-00-6
Concentration: <1%

SECTION 3: Composition/information on ingredients (....)

Categories:	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1
H Statements:	H290, H314, H318
Specific concentration limits:	0.5 ≤ C ≤ 2) Skin Irrit. 2, H315 (0.5 ≤ C ≤ 2) Eye Irrit. 2, H319 (2 ≤ C ≤ 5) Skin Corr. 1B, H314 (5 ≤ C < 100) Skin Corr. 1A, H314

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

CAS Number:	308062-28-4
EC Number:	931-292-6
Concentration:	<1%
Categories:	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2
H Statements:	H302;H315;H318;H411;H400

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, suphates, sodium salts

CAS Number:	68891-38-3
EC Number:	500-234-8
Concentration:	<1%
Categories:	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3
H Statements:	H315;H318;H412
Specific concentration limits:	(5 ≤ C <10) Eye Irrit 2, H319

SECTION 4: First aid measures

4.1 Description of first aid measures

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Contact with skin

Wash affected area with plenty of water
If skin irritation or rash occurs: Get medical advice/attention.

Ingestion

Rinse mouth with water (only if the person is conscious)
Do not induce vomiting
Get medical advice/attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing.
When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Irritant
- May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
- Eyewash bottles should be available

SECTION 5: Firefighting measures

5.1 Extinguishing media

SECTION 5: Firefighting measures (....)

- In case of fire use foam, carbon dioxide or dry agent
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- Decomposition products may include carbon oxides
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Wear Breathing Apparatus
- Wear full protective clothing including chemical protection suit

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation
- Eliminate all ignition sources.
- Wear protective clothing as per section 8

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses
- Use appropriate containment to avoid environmental contamination
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Absorb spillage in suitable inert material
- Remove contaminated material to safe location for subsequent disposal
- Do not absorb spillage in sawdust or other combustible material
- Seek expert advice for removal and disposal of all contaminated materials and wastes

6.4 Reference to other sections

- See Section 8 + 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source.
- Do not pierce or burn, even after use.
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place away from heat
- Keep container tightly closed
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

7.3 Specific end use(s)

- See Section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Petroleum gases, liquefied

WEL (long term): 1750 mg/m³ (8 hour TWA)

SECTION 8: Exposure controls/personal protection (....)

WEL (short term): 2180 mg/m³

sodium hydroxide

WEL (short term): 2 mg/m³ (15 min)

1-methoxy-2-propanol

DNEL (Consumer; dermal, long term systemic effects): 18.1 mg/kg/day
DNEL (Consumer; inhalational, long term systemic effects): 43.9 mg/m³
DNEL (Consumer; oral, long term systemic effects): 3.3 mg/kg/day
DNEL (Industry; dermal, long term systemic effects): 50.6 mg/kg/day
DNEL (Industry; inhalational, long term systemic effects): 369 mg/m³
DNEL (Industry; inhalational, short term local effects): 553.5 mg/m³

Citrus Terpenes

DNEL (Consumer; dermal, long term systemic effects): 4.44 mg/kg bw/day
DNEL (Consumer; inhalational, long term systemic effects): 7.78 mg/m³
DNEL (Consumer; oral, long term systemic effects): 4.44 mg/kg bw/day
DNEL (Industry; dermal, long term systemic effects): 8.89 mg/kg bw/day
DNEL (Industry; inhalational, long term systemic effects): 31.1 mg/m³

sodium hydroxide

DNEL (Consumer; inhalational, long term systemic effects): 1 mg/m³
DNEL (Industry; inhalational, long term systemic effects): 1 mg/m³

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

DNEL (Consumer; dermal, long term systemic effects): 5.5 mg/kg bw/day
DNEL (Consumer; inhalational, long term systemic effects): 1.53 mg/m³
DNEL (Consumer; oral, long term systemic effects): 0.44 mg/kg bw/day
DNEL (Industry; inhalational, long term systemic effects): 6.2 mg/m³
DNEL (Industry; dermal, long term systemic effects): 11 mg/kg bw/day

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, suphates, sodium salts

DNEL (Consumer; dermal, long term systemic effects): 1650 mg/kg bw/day
DNEL (Consumer; oral, long term systemic effects): 15 mg/kg bw/day
DNEL (Industry; dermal, long term systemic effects): 2750 mg/kg bw/day
DNEL (Industry; inhalational, long term systemic effects): 175 mg/m³
DNEL (Consumer; dermal, long term local effects): 0.079 mg/m³
DNEL (Industry; dermal, long term local effects): 0.132 mg/m³

8.2 Exposure controls

- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask


- Wear goggles giving complete eye protection
- BS EN PPE Codes: 166
- Wear suitable gloves
- BS EN PPE Codes: 374

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Aerosol
- Colour: White
- Odour: Fruity odour
- Odour threshold: Not available

SECTION 9: Physical and chemical properties (....)

- Melting point/Range: Not applicable
- Boiling Point/Range: Not applicable
- Flashpoint: < 23 °C
- Flammability: H222 - Extremely flammable aerosol.
- Explosive Properties: H229 - Pressurised container: May burst if heated.
- Vapour Pressure: No information available
- pH: Not applicable
- Solubility in water: Not available
- Relative density: No information available

9.2 Other information

Information with regard to physical hazard classes

No information available

Other safety characteristics

Volatile Organic Compound Content ca. 22%

SECTION 10: Stability and reactivity

10.1 Reactivity

- Extremely flammable aerosol.
- Pressurised container: May burst if heated.

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat
- Do not expose to temperatures exceeding 50°C/ 122°F.
- Eliminate all ignition sources.

10.5 Incompatible materials

- Avoid contact with oxidising substances

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Estimated LD_{50} (oral) (ATE) : >2000 mg/kg
Estimated LD_{50} (dermal) (ATE) : >4000 mg/kg
Estimated LD_{50} (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

1-methoxy-2-propanol; monopropylene glycol methyl ether

LD_{50} (oral, rat): 4016 mg/kg
LD_{50} (skin, rat): >2000 mg/kg
LC_{50} (inhalation, rat): 28.8 mg/l

Citrus Terpenes

SECTION 11: Toxicological information (....)

LD_{50} (oral, rat): 5000 mg/kg
LD_{50} (dermal, rabbit): 5000 mg/kg

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, suphates, sodium salts

LD_{50} (oral, rat): >2870 mg/kg
LD_{50} (skin, rat): >2000 mg/kg

Skin corrosion/irritation

Causes irritation
Calculation method

Serious eye damage/irritation

Causes serious eye irritation.
Calculation method

Respiratory or skin sensitisation

May cause allergic reaction in susceptible people

Germ cell mutagenicity

Based on the available data, the classification criteria are not met

Carcinogenicity

Based on the available data, the classification criteria are not met

Reproductive toxicity

Based on the available data, the classification criteria are not met

STOT (specific target organ toxicity) - single exposure

Based on the available data, the classification criteria are not met

1-methoxy-2-propanol

May cause drowsiness or dizziness.

STOT (specific target organ toxicity) - repeated exposure

Based on the available data, the classification criteria are not met

Aspiration hazard

Based on the available data, the classification criteria are not met

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information

12.1 Toxicity

1-methoxy-2-propanol; monopropylene glycol methyl ether

IC_{50} (algae): 1000 mg/l (72 hr)
EC_{50} (daphnia): 23300 mg/l (48 hr)
LC_{50} (fish): 4600-10000 mg/l (96 hr)

1-methoxy-2-propanol; monopropylene glycol methyl ether

PNEC (Fresh water): 10 mg/l
PNEC (intermittent): 100 mg/l
PNEC (Marine water): 1 mg/l
PNEC (Sediment; fresh water): 52.3 mg/kg

SECTION 12: Ecological information (....)

PNEC (Sediment; marine water): 5.2 mg/kg
PNEC (Soil): 5.49 mg/kg
PNEC (STP): 100 mg/l

Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately – 40 °C to 80 °C (– 40 °F to 176 °F).]

IC_{50} (algae): >100 mg/l (72 hr)
EC_{50} (daphnia): >100 mg/l (48 hr)
LC_{50} (fish): >100 mg/l (96 hr)

Citrus Terpenes

IC_{50} (algae): 150 mg/l (72 hr)
EC_{50} (daphnia): 1.1 mg/l (48 hr)
LC_{50} (fish): 5.65 mg/l (96 hr)

Citrus Terpenes

PNEC (Fresh water): 0.0054 mg/l
PNEC (intermittent): 0.0057 mg/l
PNEC (Marine water): 0.00054 mg/l
PNEC (Sediment; fresh water): 1.3 mg/kg
PNEC (Sediment; marine water): 0.13 mg/kg
PNEC (Soil): 0.261 mg/kg
PNEC (STP): 2.1 mg/l

sodium hydroxide

EC_{50} (daphnia): 40.4 mg/l (48 hr)

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

IC_{50} (algae): 0.266 mg/l (72 hr)
EC_{50} (daphnia): 10.4 mg/l (48 hr)
LC_{50} (fish): 3.46 mg/l (96 hr)

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

PNEC (Fresh water): 0.0335 mg/l
PNEC (intermittent): 0.0335 mg/l
PNEC (Marine water): 0.00335 mg/l
PNEC (Sediment; fresh water): 5.24 mg/kg
PNEC (Sediment; marine water): 0.524 mg/kg
PNEC (Soil): 1.02 mg/kg
PNEC (STP): 24 mg/l

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, suphates, sodium salts

IC_{50} (algae): 27.7 mg/l (72 hr)
EC_{50} (daphnia): 7.4 mg/l (48 hr)
LC_{50} (fish): 7.1 mg/l (96 hr)

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, suphates, sodium salts

PNEC (Fresh water): 0.24 mg/l
PNEC (intermittent): 0.071 mg/l
PNEC (Marine water): 0.024 mg/l
PNEC (Sediment; fresh water): 0.917 mg/kg
PNEC (Sediment; marine water): 0.092 mg/kg

SECTION 12: Ecological information (....)

PNEC (Soil):	7.5 mg/kg
PNEC (STP):	10000 mg/l

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Common Delegated Regulation (EU) 2017/2010 or Common Regulation (EU) 2018/605 at a concentration equal or greater than 0.1%.

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- EU Waste Codes: 160504, 150104, 150110

SECTION 14: Transport information

14.1 UN number or ID number

- UN No.: 1950

14.2 UN proper shipping name

- Proper Shipping Name: AEROSOLS

14.3 Transport hazard class(es)

- Hazard Class: 2

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- ADR/RID special provisions 190, 327, 344, 625
- Limited quantity (LQ): 1 Ltr
- Tunnel Code: D

14.7 Maritime transport in bulk according to IMO instruments

- No information available

SECTION 15: Regulatory information

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

- The Health and Safety at Work Act applies in the UK
- The COSHH Regulations apply in the UK
- The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK
- The Workplace Directive (89/654/EEC) applies in the UK
- The CLP Regulations apply in the UK
- Where UK Regulations are quoted, then for other nations the equivalent regulations should be identified
- Refer to current EC Directive 2012/18/EU (the Seveso III Directive)
- Refer to current ADR Regulations
- Water Hazard Class (Company): 3
- Volatile Organic Compound Content ca. 22%

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
- This Safety Data Sheet does not constitute a workplace risk assessment

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H220: Extremely flammable gas. H226: Flammable liquid and vapour. H280: Contains gas under pressure; may explode if heated. H290: May be corrosive to metals. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. 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. H336: May cause drowsiness or dizziness. H400: Very toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:
ADR = Accord européen relatif au transport international des marchandises Dangereuses parRoute
RID = Règlement concernant le transport international ferroviaire de marchandisesdangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses parvoie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

Use good personal hygiene practices

SECTION 16: Other information (....)

Do not mix with any other products

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.

Disclaimer
This information relates only to the specific material designated and may not be valid for such material used in combination with any othermaterials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the dateindicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselvesf as to the suitability of such information for their own particular use.