

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name FuelBright Petrol Fuel Additive.
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.

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

Identified Use(s) **Petrol Additive.**
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification THOMAS GROUP LTD.
93 Ellingham Industrial Estate
Ashford, Kent
TN23 6LZ England
Telephone +44(0)1233 642816
Fax +44(0)1233 645024
E-mail info@fuelbright.co.uk
Website www.fuelbright.co.uk

1.4 Emergency telephone number

Company +44(0)7521 979021
National Poisons Information Service 111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)
(NHS Direct)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 4 :Harmful if swallowed.
Asp. Tox. 1 :May be fatal if swallowed and enters airways.
Skin Irrit. 2 :Causes skin irritation.
Eye Dam. 1 :Causes serious eye damage.
STOT SE 3 :May cause drowsiness or dizziness.
Carc. 2 :Suspected of causing cancer.
Aquatic Acute 1 :Very toxic to aquatic life.
Aquatic Chronic 1 :Very toxic to aquatic life with long lasting effects.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name FuelBright Petrol Fuel Additive.

Hazard Pictogram(s)



GHS05



GHS07



GHS08



GHS09

Signal Word(s)

Danger.

SAFETY DATA SHEET

Hazard Statement(s)

H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H410: Very toxic to aquatic life with long lasting effects.
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

P201: Obtain special instructions before use.
P261: Avoid breathing vapours.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8 01-2119484819-18-XXXX	25-50	Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Aquatic Chronic 2 H411	GHS08 GHS07 GHS09
Poly[oxy(1,2-propanediyl)], .alpha.-(3-aminopropyl)-.omega.-hydroxy-, C12-15 alkyl ethers			32.88-36.18	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS05 GHS09
Phenol, (dimethylamino)methyl-, polyisobutylene derivs.			5-10	Aquatic Chronic 3 H412	None
Poly[oxy(1,2-propanediyl)].alpha.-propyl-.omega.-hydroxy-C12-15 alkyl ethers			1-3	Skin Irrit. 2 H315 Eye Dam. 1 H318	GHS05
Hydrocarbons, C10, aromatics, >1% naphthalene	1189173-42-9	919-284-0 01-2119463588-24-XXXX	1-2.5	Asp. Tox. 1 H304 STOT SE 3 H336 Carc. 2 H351 Aquatic Chronic 2 H411	GHS08 GHS07 GHS09

SAFETY DATA SHEET

Naphthalene	91-20-3	202-049-5 01-2119561346-37-XXXX	0.1-0.25	Flam. Sol. 2 H228 Acute Tox. 4 H302 Carc. 2 H351 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS02 GHS08 GHS07 GHS09
-------------	---------	------------------------------------	----------	--	----------------------------------

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin Contact	Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	Do not induce vomiting. Rinse mouth. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get medical advice/attention.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable extinguishing media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, **Smoke and other products of incomplete combustion. Ammonia, propylamine, polyalkylglycols and aliphatic alcohols may also be released.**

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep fire exposed containers cool by spraying with water. Dike fire control water for later disposal.

SAFETY DATA SHEET

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation to avoid build-up of vapours. Avoid breathing vapours. Wear appropriate personal protective equipment, avoid direct contact. Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal or recovery.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing vapours. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Strong oxidising agents, Strongly acidic.

7.3 Specific end use(s)

Petrol Additive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Naphthalene	91-20-3	10	50			IOELV

Region

Source

EU

EU Occupational Exposure Limits

United Kingdom

UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)

Remark

Notes

IOELV

Indicative Occupational Exposure Limit Value

SAFETY DATA SHEET

Biological Exposure Indices						
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Polycyclic aromatic hydrocarbons (PAHs)	91-20-3	Post shift	urine	1-hydroxypyrene	4 µmol 1-hydroxypyrene/mol creatinine	

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Nitrile rubber, Neoprene.
Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Recommended: 240 - >480 minutes. **Thickness:** >0.35 mm.



Respiratory protection

Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Colour : Yellowish.
Odour	Amine-like.
Odour threshold	Not established.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash Point	74°C [Closed cup]
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.865-0.905@ 15.6°C
Solubility(ies)	Solubility (Water) : Insoluble. Solubility (Other) : Not known.

SAFETY DATA SHEET

Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	12.5mm ² /s @ 40°C 20mm ² /s @ 25°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	
Pour Point (°C)	-27

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 hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Heat and direct sunlight.

10.5 Incompatible materials

Strong oxidising agents, Strongly acidic.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Harmful if swallowed. No data.
Skin corrosion/irritation	Causes skin irritation. No data.
Serious eye damage/irritation	Causes serious eye damage. No data.
Skin sensitization data	It is not a skin sensitiser.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	Suspected of causing cancer. No data.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	May cause drowsiness or dizziness. No data.
STOT - repeated exposure	None anticipated.
Aspiration hazard	May be fatal if swallowed and enters airways. No data.

11.2 Other information

Repeated exposure may cause skin dryness or cracking.

SAFETY DATA SHEET

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

	Very toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	No data.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and Degradation

Part of the components are biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Insoluble in water. The product is predicted to have low mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste. Dispose of wastes in an approved waste disposal facility.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3082

14.2 UN proper shipping name

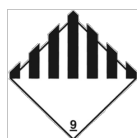
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Poly[oxy(1,2-propanediyl)],.alpha.-(3-aminopropyl)-.omega.-hydroxy-, C12-15 alkyl ethers)

14.3 Transport hazard class(es)

ADR/RID	
ADR/RID Class	9
ADR Classification Code	M6
Special Provisions	274 335 375 601
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	•3Z
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1

SAFETY DATA SHEET

Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
Tank Code for Tanks	LGBV
Vehicle for Tank Carriage	AT
ADR Transport Category	3
Special Provisions for Carriage - Packages	V12
Special Provisions for Carriage - Loading, CV13	
Unloading and Handling	
ADR HIN	90
IMDG	
IMDG Class	9
Special Provisions	274 335 375 601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	F-A S-F
Stowage and Handling	Category A
ICAO/IATA	
IATA Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Poly[oxy(1,2-propanediyl)],.alpha.-(3-aminopropyl)-.omega.-hydroxy-, C12-15 alkyl ethers)
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y964
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg
Passenger and Cargo Aircraft Packing Instructions	964
Passenger and Cargo Aircraft Max net Qty	450L
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Max net Qty	450L
Special Provisions	A97, A158 A197
Emergency Response Guidebook (ERG) Code	9L
Labels	9



14.4 Packing group

Packing group III

SAFETY DATA SHEET

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Transport in bulk according to Annex II of No information available
Marpol and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed.

REACH: ANNEX XIV list of substances subject to authorisation Not listed.

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Polycyclic-aromatic hydrocarbons (PAH) (91-20-3)

Community Rolling Action Plan (CoRAP) Naphthalene (91-20-3)

National regulations

Other Not known.

15.2 Chemical Safety Assessment

Not applicable.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s)



GHS05



GHS07



GHS08



GHS09

Hazard classification

Flam. Sol. 2 : Flammable solid Category 2
Acute Tox. 4 : Acute toxicity Category 4
Eye Dam. 1 : Serious eye damage/irritation Category 1
Skin Irrit. 2 : Skin corrosion/irritation Category 2
Carc. 2 : Carcinogenicity Category 2
STOT SE 3 : Specific target organ toxicity — single exposure Category 3
Aquatic Acute 1 : Hazardous to the aquatic environment - Acute Category 1
Aquatic Chronic 1 : Hazardous to the aquatic environment - Chronic Category 1
Aquatic Chronic 2 : Hazardous to the aquatic environment - Chronic Category 2
Aquatic Chronic 3 : Hazardous to the aquatic environment - Chronic Category 4

SAFETY DATA SHEET

Asp. Tox. 1 : Aspiration hazard Category 1

Hazard Statement(s)

H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing vapours.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
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.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P312: Call a POISON CENTER/doctor if you feel unwell.
P330: Rinse mouth.
P331: Do NOT induce vomiting.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Disposal should be in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association

SAFETY DATA SHEET

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

THOMAS GROUP LTD. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law.

THOMAS GROUP LTD. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.