

Thermablend-Lo

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

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

1.1 Product identifier

Product Name	Thermablend-Lo
CAS No.	Mixture: not applicable.
EC No.	Mixture: not applicable.
REACH Registration No.	Mixture: not applicable.

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

Identified Use(s)	As advised by the supplier.
Uses Advised Against	Anything other than the above.

1.3 Details of the supplier of the safety data sheet

Supplier	
Company Identification	Blended Products Limited
Address of Supplier	Elsham Wold Industrial Estate Brigg North Lincolnshire
Postal code	DN20 0SP
Telephone:	+44 (0) 1652 680555
E-mail	technical@blendedproducts.com

1.4 Emergency telephone number

Emergency Phone No.	+44 (0) 1652 680555 (please use 'Option 4' for 24hr chemical/stock emergency number)
Contact	See above for emergency contact details.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and Not classified as dangerous for supply/use.
UK SI 2020/1567

2.2 Label elements

	According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567
Product Name	Thermablend-Lo
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.

2.3 Other hazards

None known.

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2.4 Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Monoethylene glycol	107-21-1	203-473-3	72-95%	Acute Tox. 4 H302 STOT RE 2 H373	GHS08 GHS07
propane-1,2-diol	57-55-6	200-338-0	5-20%	Not classified	None

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with water.
Eye Contact	Flush eyes with water for at least 15 minutes.
Ingestion	Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Not known.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient.
Storage life Stable under normal conditions.
Incompatible materials None known.

7.3 Specific end use(s)

Not known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

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
Ethane-1,2-diol Particulate	107-21-1		10			Sk
Ethane-1,2-diol vapour	107-21-1	20	52	40	104	Sk
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			
Propane-1,2-diol particulates	57-55-6		10			

Region Source
United Kingdom UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark Notes
Sk Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

8.2 Exposure controls

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8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Not normally required.



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Colour : colourless (unless dyed to a customer specification)
Odour	Non-pungent but characteristic
Odour threshold	Not known.
pH	7.5 – 9 depending upon inhibitor formulation
Melting point/freezing point	-40°C
Initial boiling point	>180°C
Flash Point	>115°C
Evaporation rate	Not known.
Flammability (solid, gas)	Not classed as flammable.
Upper/lower flammability or explosive limits	Upper limit: 15%, lower limit: 3%
Vapour pressure	13 Pa @ 25°C
Vapour density	2.2
Relative density	1.04 - 1.15
Solubility(ies)	Solubility (Water) : Soluble Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	>400°C
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not classified as explosive.
Oxidising properties	Not classified as an oxidising agent.

9.2 Other information

None.

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated if used under normal conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions anticipated if used for its intended purpose, but avoid contact with incompatible materials.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

The mixture may react dangerously with incompatible materials, these include but are not limited to: acids, oxidizing agents, halogenated compounds, acid chlorides, acid anhydrides.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Self classification: Not classified.
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Self classification: Not classified.
Aspiration hazard	Calculation method : Not classified.

11.2 Other information

The toxicological effects of neat Monoethylene glycol present in this mixture are inhibited via proprietary additives; producing a mixture which is not classified as hazardous.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

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Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with all national regulations.

13.2 Additional Information

No special precautions are required for this product.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

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

It is not anticipated that this product will be transported in bulk in a vessel in accordance with the IBC Code.

SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed

of Very High Concern for Authorisation

UK REACH Authorisation List (Annex Not listed

XIV) list of substances subject to

authorisation

UK REACH Restrictions List (Annex XIV) Monoethylene glycol (107-21-1)

Restrictions on the manufacture, placing

on the market and use of certain

dangerous substances, mixtures and

articles

The Persistent Organic Pollutants Not listed

Regulations 2007 (SI 2007/3106) as

amended

The Ozone-Depleting Substances and Not listed

Fluorinated Greenhouse Gases

(Amendment etc.) (EU Exit) Regulations

2019 (SI 2019/583)

The Prior Informed Consent (PIC) Not listed

Regulations concerning the export and

import of hazardous chemicals

SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP) Not listed

15.2 Chemical Safety Assessment

United Kingdom

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)

None.

GHS07: GHS: Exclamation mark

GHS08: GHS: Health hazard

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4

STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Hazard Statement(s)

H302: Harmful if swallowed.

H373: May cause damage to organs through prolonged or repeated exposure.

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Precautionary Statement(s)	None.
Acronyms	ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals STEL : Short term exposure limit STOT : Specific Target Organ Toxicity vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 data used to compile the SDS

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