



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.11.2023

Version number 1.0

Revision: 02.11.2023

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

#### 1.1 Product identifier

**Trade name:** Extraboost

**Article number:** 2016535, 2016536, 2017439

**Registration number** All components are EU REACH Compliant or exempt.

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

**Identified uses** Use as a Fuel - Industrial  
Use as a Fuel - Professional

**Uses advised against** Use only for intended applications

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:** Haltermann Carless UK Ltd  
Cedar Court, Guildford Road, Leatherhead, Surrey,  
KT22 9RX  
United Kingdom  
+44(0)1372 360000  
msdsteam@h-c-s-group.com

Haltermann Carless France S.A.S.  
Zone d'Activites de la Baudriere no 1  
27520 BOURGTHEROULDE - INFREVILLE  
FRANCE  
+33(0)232131450  
FDS@h-c-s-group.com

**Informing department:** Product Stewardship  
MSDSTeam@h-c-s-group.com

**1.4 Emergency telephone number:** CHEMTREC +1-703-527-3887 / +44 20 3885 0382 (EMEA) / +44 20 3807 3798 (UK)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Skin Irrit. 2	H315	Causes skin irritation.
Repr. 2	H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
STOT SE 2	H371	May cause damage to the central nervous system and the visual organs.
STOT SE 3	H336	May cause drowsiness or dizziness.



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Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling according to

**Regulation (EC) No 1272/2008**

#### Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02

GHS07

GHS08

GHS09

#### Signal word

Danger

#### Hazard-determining components

##### of labelling:

Gasoline  
methanol

#### Hazard statements

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H371 May cause damage to the central nervous system and the visual organs.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P321 Specific treatment (see on this label).  
P331 Do NOT induce vomiting.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.



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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Mixture consisting of the following components.

**Dangerous components:**

CAS: 86290-81-5	Gasoline	90 - 100%
EINECS: 289-220-8	Flam. Liq. 2, H225; Repr. 2, H361fd; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	
Reg.nr.: 01-2119471335-39		
CAS: 67-63-0	propan-2-ol	0 - 10%
EINECS: 200-661-7	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
Reg.nr.: 01-2119457558-25-xxxx		
	01-2119457558-25-xxxx	
CAS: 67-56-1	methanol	0 - 3%
EINECS: 200-659-6	Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	
Reg.nr.: 01-2119433307-44		
	Specific concentration limits: STOT SE 1; H370: $C \geq 10\%$ STOT SE 2; H371: $3\% \leq C < 10\%$	

**Additional information** For substances with a TLV-value see section 8.  
For the wording of the listed hazard phrases refer to section 16.  
Benzene  $< 0.1\%$ , Toluene  $\geq 3\%$  and n-Hexane  $\geq 3\%$

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>General information</b>	Instantly remove any clothing soiled by the product. Take affected persons into the open air. Take affected persons out of danger area and instruct to lie down. Keep warm, position comfortably and cover well.
<b>After inhalation</b>	In case of unconsciousness bring patient into stable side position for transport.
<b>After skin contact</b>	Instantly wash with water and soap and rinse thoroughly. Instantly rinse with water.
<b>After eye contact</b>	Rinse opened eye for several minutes under running water.
<b>After swallowing</b>	Do not induce vomiting; instantly call for medical help.



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

Vapours may cause drowsiness and dizziness.  
Prolonged contact may cause redness, irritation and dry skin.  
Aspiration hazard

### Danger

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

#### For safety reasons unsuitable extinguishing agents

Water with a full water jet.

### 5.2 Special hazards arising from the substance or mixture

Formation of poisonous gases during heating or in fires.  
Containers can burst violently or explode when heated, due to excessive pressure build-up.  
The vapour is heavier than air, spreads along the ground and ignition at a greater distance is possible.

### 5.3 Advice for firefighters

#### Protective equipment:

Put on breathing apparatus.  
Wear self-contained breathing apparatus.  
Wear full protective suit.

#### Additional information

Cool endangered containers with water spray jet.  
Collect contaminated fire fighting water separately. It must not enter drains.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources  
Put on breathing apparatus.  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation

### 6.2 Environmental precautions:

Do not allow product to reach sewage system or water bodies.  
Prevent material from reaching sewage system, holes and cellars.



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- Inform respective authorities in case product reaches water or sewage system.
- 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- 6.4 Reference to other sections** See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Good personal hygiene procedures should be implemented.  
Ensure good ventilation/exhaustion at the workplace.  
Keep containers tightly sealed.  
Store in cool, dry place in tightly closed containers.  
Open and handle container with care.  
Prevent formation of aerosols.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep breathing equipment ready.

#### Handling

Do not eat, drink or smoke when using this product.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage

##### Requirements to be met by storerooms and containers:

Store in cool location.

##### Information about storage in one common storage facility:

Not required.

##### Further information about storage conditions:

Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.

#### 7.3 Specific end use(s)

No further relevant information available.



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### \* SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Components with critical values that require monitoring at the workplace:

##### 67-56-1 methanol

IOELV Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

Skin

**Additional information:** The lists that were valid during the compilation were used as basis.

#### 8.2 Exposure controls

**Appropriate engineering controls**

No further data; see section 7.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures**

Do not eat, drink or smoke while working.  
Avoid contact with the eyes and skin.  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Store protective clothing separately.  
Pregnant women must strictly avoid inhalation or contact with the skin.  
Ensure that washing facilities are available in the work place.  
Do not ingest.

**Breathing equipment:**

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

Filter A.

Filter AX.

**Hand protection**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Nitrile rubber, NBR

> 0,38 mm



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Penetration time of glove material

&gt; 480 min (EN 374)

Eye/face protection

Tightly sealed safety glasses.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

Physical state

Fluid

Colour:

Colourless

Smell:

Pungent

Odour threshold:

Not determined.

Melting point/freezing point:

Not determined

Boiling point or initial boiling point and boiling range

36-140 °C (ASTM D86)

Flammability

Highly flammable.

Lower and upper explosion limit

Lower:

1.4 Vol % (86290-81-5 Gasoline)

Upper:

7.6 Vol % (86290-81-5 Gasoline)

Flash point:

&lt;-30 °C (Closed cup)

Auto-ignition temperature:

220 °C

Decomposition temperature:

Not determined.

pH

Not determined.

Viscosity:

Kinematic viscosity at 40 °C

<20.5 mm<sup>2</sup>/s

dynamic:

Not determined.

Solubility

Water:

Not miscible or difficult to mix

Partition coefficient n-octanol/water (log value)

Not determined.

Vapour pressure at 37.8 °C:

690 hPa (ASTM 5191)

Density and/or relative density

Density

Not determined



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<b>Relative density at 15 °C</b>	0.765 (ASTM D4052)
<b>Vapour density</b>	Not determined.
<b>9.2 Other information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	100.0 %
<b>VOC content (EU)</b>	100 %
<b>Solids content:</b>	0.0 %
<b>Change in condition</b>	
<b>Softening point/range</b>	
<b>Oxidising properties</b>	Not applicable.
<b>Evaporation rate</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Highly flammable liquid and vapour.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void



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Corrosive to metals	Void
Desensitised explosives	Void

### \* SECTION 10: Stability and reactivity

**10.1 Reactivity** Stable at normal ambient temperatures and when used as recommended.

**10.2 Chemical stability**

**Conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid** Avoid heat, flames and other sources of ignition.

**10.5 Incompatible materials:** Strong oxidizing agents

**10.6 Hazardous decomposition products:** Heating may generate the following products: Oxides of carbon.

### SECTION 11: Toxicological information

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

**Acute toxicity** Based on available data, the classification criteria are not met.  
**LD/LC50 values that are relevant for classification:**

##### 67-56-1 methanol

Oral LD50 13,000 mg/kg (rat)

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Suspected of damaging fertility. Suspected of damaging the unborn child.

**STOT-single exposure** May cause damage to the central nervous system and the visual organs.  
May cause drowsiness or dizziness.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** May be fatal if swallowed and enters airways.

#### 11.2 Information on other hazards

##### Endocrine disrupting properties

None of the ingredients is listed.



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**SECTION 12: Ecological information**

<b>12.1 Toxicity</b>	Dangerous for the environment if discharged into watercourses
<b>Aquatic toxicity:</b>	No further relevant information available.
<b>12.2 Persistence and degradability</b>	biodegradable
<b>12.3 Bioaccumulative potential</b>	No further relevant information available.
<b>12.4 Mobility in soil</b>	No further relevant information available.
<b>12.5 Results of PBT and vPvB assessment</b>	
<b>PBT:</b>	Not applicable.
<b>vPvB:</b>	Not applicable.
<b>12.6 Endocrine disrupting properties</b>	The product does not contain substances with endocrine disrupting properties.
<b>12.7 Other adverse effects</b>	
<b>Remark:</b>	Toxic for fish
<b>Additional ecological information:</b>	
<b>General notes:</b>	Do not allow product to reach ground water, water bodies or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into soil. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

**SECTION 13: Disposal considerations**

<b>13.1 Waste treatment methods</b>	
<b>Recommendation</b>	Waste is classified as hazardous waste The generation of waste should be minimised or avoided wherever possible. External recovery, treatment, recycling and disposal of waste should comply with all applicable local and/or national regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
<b>Uncleaned packagings:</b>	
<b>Recommendation:</b>	Disposal must be made according to official regulations.

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SECTION 14: Transport information	
14.1 UN number or ID number ADR/RID, IMDG, IATA	UN1203
14.2 UN proper shipping name ADR/RID IMDG IATA	1203 MOTOR SPIRIT, ENVIRONMENTALLY HAZARDOUS MOTOR SPIRIT, MARINE POLLUTANT MOTOR SPIRIT
14.3 Transport hazard class(es)  ADR/RID	
	
Class	3 (F1) Flammable liquids.
Label	3
IMDG	
	
Class	3 Flammable liquids.
Label	3
IATA	
	
Class	3 Flammable liquids.
Label	3
14.4 Packing group ADR/RID, IMDG, IATA	II



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<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	Symbol (fish and tree)
<b>Special marking (ADR/RID):</b>	Symbol (fish and tree)
<b>14.6 Special precautions for user</b>	
<b>Kemler Number:</b>	Warning: Flammable liquids. 33
<b>EMS Number:</b>	F-E,S-E
<b>Stowage Category</b>	E
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	
	Not applicable.
<b>Transport/Additional information:</b>	
-----	
<b>ADR/RID</b>	
<b>Limited quantities (LQ)</b>	1L
<b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>Transport category</b>	2
<b>Tunnel restriction code</b>	D/E
-----	
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	1L
<b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>UN "Model Regulation":</b>	UN 1203 MOTOR SPIRIT, 3, II, ENVIRONMENTALLY HAZARDOUS

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****TSCA (Toxic Substances Control****Act)** All ingredients are listed.

86290-81-5 Gasoline: All components are ACTIVE

67-63-0 propan-2-ol: ACTIVE



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67-56-1 methanol: ACTIVE

**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

**Philippines Inventory of Chemicals and Chemical Substances (PICCS)**

All ingredients are listed.

**Chinese Chemical Inventory of Existing Chemical Substances (IECSC)**

All ingredients are listed.

**Australian Inventory of Industrial Chemicals (AIIIC)**

All ingredients are listed.

**Korean Existing Chemical Inventory (KECI)**

All ingredients are listed.

**New Zealand Inventory of Chemicals (NZIoC)**

All ingredients are listed.

**Taiwan Chemical Substance Inventory (TCSI)**

All ingredients are listed.

**Japan Existing and New Chemical Substance List (ENCS)**

All ingredients are listed.

**Directive 2012/18/EU**

**Named dangerous substances -**

**ANNEX I**

None of the ingredients is listed.

**Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for  
the application of lower-tier  
requirements**

200 t

**Qualifying quantity (tonnes) for  
the application of upper-tier  
requirements**

500 t



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**Trade name: Extraboost****REGULATION (EC) No 1907/2006****ANNEX XVII**

Conditions of restriction: 3, 28, 29, 69

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**15.2 Chemical safety****assessment:**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Reasons for alterations**

New SDS format - version number reset to 1

**Relevant phrases**

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H370 Causes damage to organs.

H411 Toxic to aquatic life with long lasting effects.

**Date of previous version:**

26.10.2023



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**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Acute Tox. 3: Acute toxicity – Category 3  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Repr. 2: Reproductive toxicity – Category 2  
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1  
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**\* Data compared to the previous version altered.**