



## Safety Data Sheet

acc. to OSHA HCS

Printing date 12/19/2023

Reviewed on 12/19/2023

### \* 1 Identification

**Product identifier**

**Trade name:** Extrablaze 100  
**Article number:** 2011126, 2015678, 2016124, 2016583, 2017221, 2017139, 2018024

**Product Description****Oil Type / Designation / Classification:**

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

**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

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

Haltermann Carless US Inc.  
901 Wilshire Drive  
Suite 570  
Troy, MI 48084  
United States  
Phone: +1 248 422 6548

**Information department:** Product Stewardship

**Emergency telephone number:** CHEMTREC +1-703-527-3887 / +1-800-424-9300 / +1 703-741-5970

### 2 Hazard(s) identification

**Classification of the substance or mixture**

Flammable Liquids 1 H224 Extremely flammable liquid and vapor.  
Skin Irritation 2 H315 Causes skin irritation.  
Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.  
Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.



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Aspiration Hazard 1  
Aquatic Chronic 2

H304 May be fatal if swallowed and enters airways.  
H411 Toxic to aquatic life with long lasting effects.

Label elements  
GHS label elements  
Hazard pictograms

The product is classified and labeled in accordance to US OSHA.



Signal word

Danger

Hazard-determining components  
of labeling:

Gasoline  
propane, 2-ethoxy-2-methyl-

Hazard statements

H224 Extremely flammable liquid and vapor.  
H315 Causes skin irritation.  
H361 Suspected of damaging fertility or the unborn child.  
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/sparks/open flames/hot surfaces. - 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.

Classification system:  
NFPA ratings (scale 0 - 4)



Health = 1  
Fire = 4  
Reactivity = 0

HMS-ratings (scale 0 - 4)



Health = 1  
Fire = 4  
Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.



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vPvB: Not applicable.

### 3 Composition/information on ingredients

#### Chemical characterization: Mixtures

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

#### Dangerous components:

CAS: 86290-81-5 Gasoline >70 - <90%

EINECS: 289-220-8 Flammable Liquids 1, H224; Toxic to Reproduction 2, H361; Aspiration Hazard 1, H304; Aquatic Chronic 2, H411; Skin Irritation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H336

CAS: 637-92-3 propane, 2-ethoxy-2-methyl- >10 - <30%

EINECS: 211-309-7 Flammable Liquids 2, H225; Specific Target Organ Toxicity - Single Exposure 3, H336

**Additional information:** REACH Registration Numbers quoted in this section are valid in the EU27/EEA only  
For substances with a TLV-value see section 8.  
Benzene < 0.1%, Toluene  $\geq$  3% and n-Hexane < 3%

### 4 First-aid measures

#### Description of first aid measures

**General information:** Immediately remove any clothing soiled by the product.  
Take affected persons out into the fresh air.  
Take affected persons out of danger area and lay down.  
Keep warm, position comfortably and cover well.

**After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Do not induce vomiting; immediately call for medical help.

#### Information for doctor:

**Most important symptoms and effects, both acute and delayed** Vapours may cause drowsiness and dizziness.  
Prolonged contact may cause redness, irritation and dry skin.

**Danger** Aspiration hazard

**Indication of any immediate medical attention and special treatment needed** No further relevant information available.



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### 5 Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable**

**extinguishing agents:** Water with full jet

**Special hazards arising from the substance or mixture**

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.

**Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.  
Wear fully protective suit.

**Additional information**

Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation

**Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.

**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 disposal information.

**Protective Action Criteria for Chemicals****PAC-1:**

86290-81-5 Gasoline: 200 ppm



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**PAC-2:**

86290-81-5 Gasoline: 1,000 ppm

**PAC-3:**

86290-81-5 Gasoline: 4000\* ppm

### 7 Handling and storage

**Handling:**

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

**Precautions for safe handling**

Good personal hygiene procedures should be implemented.  
Ensure good ventilation/exhaustion at the workplace.  
Keep receptacles tightly sealed.  
Store in cool, dry place in tightly closed receptacles.  
Keep away from heat and direct sunlight.  
Open and handle receptacle 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 respiratory protective device available.

**Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by**

**storerooms and receptacles:**

Store in a cool location.

**Information about storage in one**

**common storage facility:**

Not required.

**Further information about**

**storage conditions:**

Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

**Specific end use(s)**

No further relevant information available.

### 8 Exposure controls/personal protection

**Additional information about  
design of technical systems:**

No further data; see section 7.



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**Control parameters  
Components with limit values  
that require monitoring at the  
workplace:**

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.  
At this time, the remaining constituent has no known exposure limits.

**86290-81-5 Gasoline**

REL See Pocket Guide App. A

TLV Short-term value: 500 ppm  
Long-term value: 300 ppm  
A3

**Additional information:**

The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment:  
General protective and hygienic  
measures:**

Do not eat, drink, smoke or sniff while working.  
Avoid contact with the eyes and skin.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Pregnant women should strictly avoid inhalation or skin contact.  
Ensure that washing facilities are available at the work place.  
Do not ingest.

**Breathing equipment:**

Ensure good ventilation. This can be achieved by using a local exhaust 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.  
Short term filter device:

Filter AX

**Protection of hands:**

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.



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	Nitrile rubber, NBR > 0,38 mm
<b>Penetration time of glove material</b>	> 480 min (EN 374)
<b>Eye protection:</b>	Tightly sealed goggles
<b>Limitation and supervision of exposure into the environment</b>	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.

### 9 Physical and chemical properties

#### Information on basic physical and chemical properties

##### General Information

##### Appearance:

<b>Form:</b>	Fluid
<b>Color:</b>	Orange
<b>Odor:</b>	Pungent
<b>Odor threshold:</b>	Not determined.

**pH-value:** Not determined.

##### Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	33.8-125 °C (92.8-257 °F) (ASTM D86)

**Flash point:** <-30 °C (<-22 °F) (Closed cup, ASTM D93)

**Flammability (solid, gaseous):** Not applicable.

**Auto igniting:** 300 °C (572 °F)

**Decomposition temperature:** Not determined.

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

##### Explosion limits:

<b>Lower:</b>	1.4 Vol %
<b>Upper:</b>	7.6 Vol %



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<b>Oxidizing properties</b>	Not applicable.
<b>Vapor pressure at 37 °C (98.6 °F):</b>	595 hPa (446.3 mm Hg) (ASTM D5191)
<b>Density at 15 °C (59 °F):</b>	0.753 g/cm <sup>3</sup> (6.284 lbs/gal) (ASTM D4052)
<b>Relative density</b>	Not determined.
<b>Vapor density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 40 °C (104 °F):</b>	<20.5 mm <sup>2</sup> /s
<b>Solvent content:</b>	
<b>VOC content:</b>	100.00 % 753 g/l / 6.3 lb/gal
<b>Other information</b>	No further relevant information available.

### \*10 Stability and reactivity

<b>Reactivity</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Chemical stability</b>	
<b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.
<b>Incompatible materials:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	Heating may generate the following products: Oxides of carbon.





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### 11 Toxicological information

#### Information on toxicological effects

**Acute toxicity:****Primary irritant effect:****on the skin:** Irritant to skin and mucous membranes.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

86290-81-5 Gasoline: 2B

**NTP (National Toxicology Program)**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

### 12 Ecological information

**Toxicity** Dangerous for the environment if discharged into watercourses**Aquatic toxicity:** No further relevant information available.**Persistence and degradability** biodegradable**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** Toxic for fish**Additional ecological information:****General notes:** Do not allow product to reach ground water, water course or sewage system, even in small quantities.



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Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

### 13 Disposal considerations

#### Waste treatment methods

**Recommendation:**

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.

#### Uncleaned packagings:

**Recommendation:**

Disposal must be made according to official regulations.

### 14 Transport information

**UN-Number**

DOT, ADR/RID, IMDG, IATA

UN1203

**UN proper shipping name**

DOT

Gasoline

ADR/RID

1203 MOTOR SPIRIT, ENVIRONMENTALLY HAZARDOUS

IMDG

MOTOR SPIRIT, MARINE POLLUTANT

IATA

MOTOR SPIRIT







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<b>Transport hazard class(es)</b>	
<b>DOT</b>	
	
<b>Class</b>	3 Flammable liquids
<b>Label</b>	3
<hr/>	
<b>ADR/RID</b>	
	
<b>Class</b>	3 (F1) Flammable liquids
<b>Label</b>	3
<hr/>	
<b>IMDG</b>	
	
<b>Class</b>	3 Flammable liquids
<b>Label</b>	3
<hr/>	
<b>IATA</b>	
	
<b>Class</b>	3 Flammable liquids
<b>Label</b>	3
<b>Packing group</b>	
<b>DOT, ADR/RID, IMDG, IATA</b>	II



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<b>Environmental hazards:</b> <b>Marine pollutant:</b>	Product contains environmentally hazardous substances: Gasoline Yes (DOT) Symbol (fish and tree)
<b>Special marking (ADR/RID):</b>	Symbol (fish and tree)
<b>Special precautions for user</b> <b>Hazard identification number (Kemler code):</b> <b>EMS Number:</b> <b>Stowage Category</b>	Warning: Flammable liquids 33 F-E,S-E E
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b> <b>DOT</b> <b>Quantity limitations</b> <b>Remarks:</b>	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L Special marking with the symbol (fish and tree).
<b>ADR/RID</b> <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>IMDG</b> <b>Limited quantities (LQ)</b> <b>Excepted quantities (EQ)</b>	1L 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

### 15 Regulatory information

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

Sara

Section 355 (extremely hazardous substances):

None of the ingredient is listed.



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**Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):**

86290-81-5 Gasoline: All components are ACTIVE

637-92-3 propane, 2-ethoxy-2-methyl-: ACTIVE

**Hazardous Air Pollutants**

None of the ingredients is listed.

**Proposition 65**

WARNING: Crude oil, gasoline, diesel fuel and other petroleum products can expose you to chemicals including toluene and benzene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. These exposures can occur in and around oil fields, refineries, chemical plants, transport and storage operations such as pipelines, marine terminals, tank trucks and other facilities and equipment. For more information go to: [www.P65Warnings.ca.gov/petroleum](http://www.P65Warnings.ca.gov/petroleum).

**Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenicity categories**

**EPA (Environmental Protection Agency)**

637-92-3 propane, 2-ethoxy-2-methyl-: SC

**TLV (Threshold Limit Value)**

86290-81-5 Gasoline: A3

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

86290-81-5 Gasoline



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**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this 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

**Date of preparation / last revision**

12/19/2023

**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  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
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)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Flammable Liquids 1: Flammable liquids – Category 1  
Flammable Liquids 2: Flammable liquids – Category 2  
Skin Irritation 2: Skin corrosion/irritation – Category 2  
Toxic to Reproduction 2: Reproductive toxicity – Category 2  
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3  
Aspiration Hazard 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.