Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

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

1.1 Product identifier

Trade name: **XS EVO 3**

Article number: 2016668, 2016669
Registration number All components are EU REACH Compliant or exempt.
UFI: 9720-20NX-500J-D7KM

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 France S.A.S.
1 Z.A de la Baudrière
27520 Grand Bourgtheroulde
FRANCE
+33(0)232131450
FDS@haltermann-carless.com

Informing department: Product Stewardship

1.4 Emergency telephone number:

CHEMTREC +1-703-527-3887 / +44 20 3885 0382 (EMEA) / +44 20 3807 3798 (UK)
FR - Chemtrec CNN 853962

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	H361d	Suspected of damaging the unborn child.
STOT SE 3	H336	May cause drowsiness or dizziness.
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 The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07 GHS08 GHS09

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

Signal word Danger

Hazard-determining components of labelling: Gasoline

Hazard statements
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H361d Suspected of damaging 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, 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.

Additional information:
EUH019 May form explosive peroxides.
EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture consisting of the following components.

Dangerous components:

CAS: 86290-81-5 EINECS: 289-220-8 Reg.nr.: 01-2119471335-39	Gasoline Flam. Liq. 2, H225; Repr. 2, H361d; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥70 - < 90%
CAS: 108-20-3 EINECS: 203-560-6 Reg.nr.: 01-2119548382-38-xxxx	diisopropyl ether Flam. Liq. 2, H225; STOT SE 3, H336, EUH019, EUH066	< 20%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	Ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319	< 10%

Additional information For substances with a TLV-value see section 8.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

Benzene < 0.1%, Toluene ≥ 3% and n-Hexane < 3%
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
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.

After inhalation
In case of unconsciousness bring patient into stable side position for transport.

After skin contact
Instantly wash with water and soap and rinse thoroughly.
Instantly rinse with water.

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

After swallowing
Do not induce vomiting; instantly call for medical help.

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.

Danger
Aspiration hazard

4.3 Indication of any immediate medical attention and special treatment needed
Treat Symptomatically

SECTION 5: Firefighting measures

5.1 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 a full water jet.

5.2 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.

5.3 Advice for firefighters

Protective equipment:
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.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources

6.2 Environmental precautions:
Do not allow product to reach sewage system or water bodies.
Prevent material from reaching sewage system, holes and cellars.
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
Avoid exposure to high temperatures or direct sunlight.

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.
Protect from heat and direct sunlight.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Penetration time of glove material > 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.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Physical state	Liquid
Colour:	Colourless
Smell:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	37-125 °C (ASTM D86)
Flammability	Highly flammable.
Lower and upper explosion limit	
Lower:	1.4 Vol %
Upper:	7.6 Vol %
Flash point:	<-30 °C (Closed cup (Abel, IP170))
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	<20.5 mm²/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 °C:	470 hPa
Density and/or relative density	
Density at 15 °C	0.782 g/cm³ (ASTM D4052)
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Explosive properties:	May form explosive peroxides.
Change in condition	
Softening point/range	
Oxidising properties	Not applicable.
Evaporation rate	Not determined.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Highly flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
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.
Avoid exposure to high temperatures or direct sunlight.

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:

108-20-3 diisopropyl ether

Oral	LD50	8,470 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

Inhalative LC50 /4 h 162 mg/L (rat)

Primary irritant effect:	
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 the unborn child.
STOT-single exposure	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.

SECTION 12: Ecological information

12.1 Toxicity	Dangerous for the environment if discharged into watercourses
Aquatic toxicity:	No further relevant information available.
12.2 Persistence and degradability	biodegradable
12.3 Bioaccumulative potential	No further relevant information available.
12.4 Mobility in soil	No further relevant information available.
12.5 Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
12.6 Endocrine disrupting properties	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	
Remark:	Toxic for fish
Additional ecological information:	
General notes:	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

13.1 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.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

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.

SECTION 14: Transport information

14.1 UN number or ID number
ADR/RID, IMDG, IATA UN1203

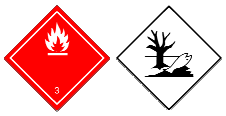
14.2 UN proper shipping name
ADR/RID 1203 MOTOR SPIRIT, ENVIRONMENTALLY HAZARDOUS
IMDG MOTOR SPIRIT, MARINE POLLUTANT
IATA MOTOR SPIRIT

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

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

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

86290-81-5 Gasoline: All components are ACTIVE

108-20-3 diisopropyl ether: ACTIVE

64-17-5 Ethanol: ACTIVE

Canadian Domestic Substances List (DSL)

All ingredients are listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

All ingredients are listed.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

Chinese Chemical Inventory of Existing Chemical Substances (IECSC)

All ingredients are listed.
Australian Inventory of Industrial Chemicals (AIIC)

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
REGULATION (EC) No 1907/2006	
ANNEX XVII	Conditions of restriction: 3

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.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.04.2025 Version number 2.0 (replaces version 1.0) Revision: 04.04.2025

Trade name: XS EVO 3

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 Section 1 - Company detail

Relevant phrases

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H411 Toxic to aquatic life with long lasting effects.
EUH019 May form explosive peroxides.
EUH066 Repeated exposure may cause skin dryness or cracking.

Date of previous version: 07.03.2024

Version number of previous version: 1.0

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)
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
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 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.**