



NovaSpray HFO 1234ze/DME (60/40)



PERFORMANCES

The **NovaSpray HFO 1234ze/DME (60/40)** is a specially aerosol grade blend of **NovaSpray HFO 1234ze** and **NovaSpray DME**. With a constant quality and controlled pressure, it meets all the requirements of a liquefied propellant.

Low GWP:

The **NovaSpray HFO 1234ze/DME (60/40)** is a blend based on the 4th generation of fluorinated product. It is conformed with environmental regulations to the HFC substitution. It has no effect on ozone layer and its **impact on greenhouse effect is very negligible (GWP = 4.6)**. So, it is not concerned by the F-Gas I (regulation No 842/2006/EC) and the F-Gas II (regulation No 517/2014/EC).

SPECIFICATIONS

Standard characteristics	Limit values
Appearance	Clear
Composition:	
HFO 1234ze	60 ± 2 % weight
HFC 134a	40 ± 2 % weight
Water content	≤ 100 ppm weight
Non volatile residue	≤ 50 ppm weight

CHARACTERISTICS

		Units	Values
Molecular weight	average	g/mol	71.7*
Boiling point	Initial, below 1.013 bar	°C	-24.8
Liquid density	at 20°C at 50°C	kg/dm ³	0.90* 0.82*
Relative pressure	saturating vapor at 20°C saturating vapor at 50°C	bar	3.8* 9.7*
Kauri-Butanol index			15*
Hydrocarbon solubility	in water at 20°C	% weight	< 13
Water solubility	in hydrocarbon at 20°C	% weight	< 3
Lower flammability limit	in the air at 20°C	% volume	3.4
Upper flammability limit	below 1.013 bar		27.0
Auto-ignition temperature		°C	350

*calculated



PACKAGING

	Bottles	Container	Bulk
Capacity (liter)	88	930	5 to 20 T
Tare (kg)	37	450	
Load (kg)	65	725	
Diameter (mm)	300	860	
Height (mm)	1517	2330	
Outflow external diameter (mm)	21.8	26.1	
Tap: left pitch (mm)	1.814	1.814	
Test pressure (bar)	33	33	

- Packaging technical characteristics are available upon request to the commercial department.
- Feasibility of filling packaging of the customers if they are in conformity with the legislation.
- Contact us for any other specific packaging.

STORAGE AND SHELF LIFE

Precautions for handling and storage :

French plants are controlled by the regulation of listed Establishments and have to comply with it (or with the local legislation).

- All packaging will be stored in a dry, well ventilated, easily accessible place, sheltered from sunlight and bad weather, away from any ignition source.
- It is recommended to store all packaging either in a specific place or isolated and sheltered by a fence.
- All packaging and piping will be grounded to discharge static electricity.
- Leak detectors, put at ground level, will be connected to an audible alarm, which will trigger in the event of leaks.
- The whole equipment will be tested with an appropriate leak detector before use.
- Material and electrical equipment in an explosive atmosphere will comply with the regulations (*grounding, equipotential bonding, ATEX material*).

Climalife can study the set up and assembling of your storage tanks, piping, and pumps, according to the prevailing regulations

Shelf life: unlimited (if appropriate storage conditions)



CONDITIONS OF USE

Please refer to the Material Safety Data Sheet (MSDS) before using the product.

Workers handling the product should be trained about risks and preventive measures.

The product is compatible with:

COMPATIBILITY	INCOMPATIBILITY
<p>Plastics:</p> <ul style="list-style-type: none">▪ Teflon <p>Metals:</p> <ul style="list-style-type: none">▪ Ordinary steel▪ Stainless steel	<ul style="list-style-type: none">▪ Viton®▪ Hypalon®▪ Strong bases▪ Oxidizing agents▪ Combustive agents

The information above is intended as a guide only. We assume no liability for its accuracy on its use. The user should make its own tests under its conditions in order to determine the suitability of any compound in a peculiar application.

Handle :

- away from heat sources (*flames or hot metallic surfaces*)
- in cool and aired premises

HEALTH SAFETY ENVIRONMENT (HSE)

Consult the Material Safety Datasheet (MSDS) on the website: www.quickfds.com

This data is based on information that the manufacturer believed to be reliable and offered in good faith. In no event will Climalife be responsible for special, incidental and consequential damages. The user is responsible, to the Administrative Authorities (Regulation of the listed establishments for the protection of the environment), for the conformity of his installation.