



NovaSpray HFC 152a

PERFORMANCES

The **NovaSpray™ HFC 152a** is an aerosol grade difluoroethane. With a constant quality, it meets all the requirements of a propellant.

Owing to its **good miscibility with alcohols and usual solvents** it shows a lot of flexibility in formulations.

With no effect on the ozone layer and a negligible impact on the greenhouse effect.

SPECIFICATIONS

Standard Characteristics	Limit values
Appearance	Clear
Purity	≥ 99.5 % weight
Moisture content	≤ 20 ppm weight
Non condensable (<i>gaseous phase</i>)	≤ 2.5 % volume

CHARACTERISTICS

		Units	Values
Chemical formula			CH₃-CHF₂
Chemical name			1,1-difluoroethane
Molecular weight		g/mol	66.1
Boiling point	at 1.013 bar	°C	-24.7
Liquid density	at 20°C at 50°C	kg/dm ³	0.91 0.83
Relative pressure	saturation vapor at 20°C saturation vapor at 50°C	bar	4.2 10.9
Kauri-Butanol index			11
HFC 152a solubility	in water at 25°C	% weight	0.28
Water solubility	in HFC 152a at 25°C	% weight	0.17
Lower flammability limit	in the air at 20°C	% volume	3.9
Upper flammability limit	below 1.013 bar		16.9
Auto-ignition temperature		°C	440



PACKAGING

	Bottles		Container	Bulk
Capacity (liter)	26	88	930	5 to 20 T
Tare (kg)	16	38	460	
Load (kg)	20	65	715	
Diameter (mm)	300	300	860	
Height (mm)	630	1530	2330	
Outflow external diameter (mm)	21.7	21.7	26.1	
Tap: left pitch (mm)	1.814	1.814	1.814	
Test pressure (bar)	30	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).



STP-FP-137 V. 003 - 01/01/2020

climalife®

NovaSpray HFC 152a

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">▪ Polyurethane▪ Polyvinyl chloride (PVC)▪ Polypropylene▪ Polyethylene▪ Teflon® <p>Elastomers:</p> <ul style="list-style-type: none">▪ BUNA N®▪ Neoprene®▪ Natural and butyl rubbers <p>Metals:</p> <ul style="list-style-type: none">▪ Ordinary steel▪ Stainless steel	<ul style="list-style-type: none">▪ Viton®▪ 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.

dehon service SAS
26, avenue du Petit Parc - F-94683 Vincennes Cedex
Tél. : 01 43 98 75 00 – Fax : 01 43 98 21 51
climalife.fr@climalife.dehon.com
www.climalife.dehon.com

Siège social
4, rue de la Croix-Faubin - F-75011 Paris
S.A.S au capital de 3 500 000 euros
310 259 205 RCS Paris