



NovaSpray HFC 365mfc

PERFORMANCES

The **NOVASPRAY™ HFC 365mfc** is an aerosol grade pentafluorobutane. With a constant quality, it meets all the requirements of a propellant.

It is a **solvent, mostly used blended** with other components to achieve the best compromises of expertise and costs. Potentially Explosive Atmospheres (**ATEX**) **equipment and protective systems are required**. With no effect on the ozone layer and a negligible impact on the greenhouse effect.

SPECIFICATIONS

Standard Characteristics	Limit values
Appearance	Clear
Purity	≥ 99.7 % weight
Water content	≤ 100 ppm weight
Acidity (HCl)	≤ 1 ppm weight
Non volatile residue	≤ 100 ppm weight

CHARACTERISTICS

		Units	Values
Chemical formula			CF₃-CH₂-CF₂-CH₃
Chemical name			1,1,1,3,3-pentafluorobutane
Molecular weight		g/mol	148
Boiling point	at 1.013 bar	°C	40.2
Liquid density	at 20°C at 50°C	kg/dm ³	1.27 1.20
Relative pressure	saturating vapor at 20°C saturating vapor at 50°C	bar	0.4 1.3
Kauri-Butanol index			12
HFC 365mfc solubility	in water at 25°C	% weight	0.50
Water solubility	in HFC 365mfc at 25°C	% weight	0.09
Lower flammability limit	in the air at 20°C	% volume	3.6
Upper flammability limit	below 1.013 bar		13.3
Auto-ignition temperature		°C	580



PACKAGING

	Drum	Container
Capacity (liter)	217	930
Tare (kg)	22	460
Load (kg)	240	1000
Diameter (mm)	585	860
Height (mm)	880	2330
Outflow external diameter (mm)	3/4" & 2"	26.1
Tap: left pitch (mm)	---	1.814
Test pressure (bar)	---	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">▪ Polycarbonate▪ Polyamide▪ Polyvinyl chloride (PVC)▪ Polypropylene▪ Polyethylene▪ Polystyrene▪ Teflon® <p>Elastomers :</p> <ul style="list-style-type: none">▪ BUNA▪ EPDM▪ Neoprene <p>Metals :</p> <ul style="list-style-type: none">▪ Stainless steel	<ul style="list-style-type: none">▪ Viton®▪ Silicone▪ 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 :

- Collect vapors at emission point,
- Use spark-free tools (*beryllium bronze*),
- Ground the equipment,
- Work in a well ventilated premises to avoid accumulating static discharges.

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.