

**Matrilox IP001M**  
(Pelargonic Acid)  
Standard  
Liquid



**TECHNICAL DATA SHEET**

PARAMETERS	SPECIFICATION	TEST METHOD
Appearance @ 20°C	Clear, Oily Liquid	Visual
Acid Value, mg KOH/g	345 – 355	ASTM D974-07
Iodine Value, g I <sub>2</sub> /100g	1.0 max	Method Wijs
Water Content (w/w), %	0.1 max	ASTM D1364
Specific Gravity @ 25°C	0.898 g/cm <sup>3</sup>	Internal Method
Viscosity @ 25°C, cSt	8.1	Internal Method
Monobasic Acid Content, %:		
Nonanoic	98 min	GC
Other	2 max	GC

**Description:**

Matrilox IP001M (nonanoic acid) is a monocarboxylic acid naturally occurring in the oil of pelargonium. Through a unique, innovative and environmental friendly technology, Matrìca is able to produce a nonanoic acid of high purity, starting from vegetable oils obtained from sustainable crops.

Matrilox IP001M is a fully European product.

Matrilox IP001M is used as an intermediate in the synthesis of bio-lubricants and it is also an important raw material for the production of bleaching agents and food fragrances.

In addition, Matrilox IP001M is a natural, full-spectrum herbicide and is used in the formulation of plant protection products.

**Handling and Storage:**

Matrilox IP001M is a corrosive material: corrosion-resistant equipment is required. For reactions at elevated temperatures, stainless steel (Type 316), glass or ceramic-lined vessels are recommended.

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances, sources of heat, light and sparks, flame and moisture.

Recommended storage temperature: 16 - 40°C.

Ensure that packaging is not damaged and well closed before use.

Matrilox IP001M is a corrosive product: for further information please refer to the Material Safety Data Sheet.

**Inquiries:**

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