

## DATA SHEET

**BLACK PEPPER MADA ORGANIC  
OIL**
*Piper nigrum L.*
 Number of pages : 2  
 Created on : 02/11/2003  
 Modified on : 18/06/2019  
 Last update : 19/07/2019
**TDS B775**

Version 04.50

Organic product certified by FR-BIO-01

**PROCESSING METHOD**

Essential Oil obtained by steam distillation from the dry berries of Piper nigrum L.

**PHYSICAL PROPERTIES**
 Odour : **Fresh, woody and spicy**  
 Appearance : **Limpid mobile liquid**  
 Color : **Colorless to bluish green**
**CHEMICAL PROPERTIES**
 Specific gravity at 20°C : **0,860 to 0,900**  
 Refractive index at 20°C : **1,480 to 1,492**  
 Optical rotation at 20°C : **-17,0 ° to +11,0 °**  
 Flash point : **+43 °C**  
 Acid value : **N.A.**  
 Peroxide value : **< 20 mmoles/L**
**MAIN INGREDIENTS**
**Beta caryophyllene (8,00 to 28,00%)**  
**D-Limonene (14,00 to 23,00%)**  
**Alpha pinene (5,00 to 19,00%)**  
**Beta pinene (8,00 to 18,00%)**  
**Delta 3 carene (7,00 to 16,00%)**
**TECHNICAL SPECIFICATIONS****NCS, Natural Complex Substance (100% pure and natural)**
 N°CAS TSCA : **8006-82-4**  
 N°CAS EINECS : **84929-41-9**  
 N°EINECS : **284-524-7**  
 N°FEMA : **2845**  
 N°FDA : **182.20**  
 N°CoE: : **347n**  
 FCC : **X**  
 RIFM : **X**  
 FMA : **X**  
 AFNOR : **NF T 75-216**  
 INCI : **PIPER NIGRUM FRUIT OIL**  
 Country of harvest : **MADAGASCAR**  
 Country of manufacturing : **MADAGASCAR**

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**HANDLING, STORING AND SHELF LIFE**

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Follow usual precaution of chemical ingredient handling. Store in a sealed container, in a dry, cool and aired area, protected from the light.

**Shelf life : 36 months from the date of manufacture**

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**TRANSPORT INFORMATION**

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**Hazard Class 3, Packing group III, UN n° 1169**

Customs rate code : **3301 29 41**

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**SPECIAL INDICATIONS**

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- The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (Annex III of Regulation (EC) N°1223/2009 of 30 november 2009 on cosmetic products)

Present allergens : **D-Limonene (14,00 to 23,00%), Linalool (<= 1,00%)**

- IFRA restrictions : **This substance and/or some of its components are covered by the Code of Practice of the IFRA in effect, available on the internet website [www.ifraorg.org](http://www.ifraorg.org)**

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Contact **M. DENAT Jean-François**

This sheet has been updated on 19/07/2019

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Number of pages : 2

Printed on : 15/11/2019

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