



## TECHNICAL DATA SHEET

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## CLOVE BUD OIL

Version: 1.5

Supersedes version of:  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

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**Name** : CLOVE BUD OIL  
**Product code** : GIRHE01  
**Origin** : Indonesia

### SECTION 2: PRODUCTION PROCESS

**Manufacture** : Watersteam distillation of bud clove

### SECTION 3: REGULATORY SITUATION

**Identification of the product** : Essential oil  
**Botanical name** : Syzygium aromaticum (L.) Merr & L.M. Perry = Eugenia caryophyllus (Spreng.) Bullock & SG. Harrison = Eugenia caryophyllata Thunb.  
**INCI Name** : EUGENIA CARYOPHYLLUS BUD OIL / EUGENIA CARYOPHYLLUS (CLOVE) BUD OIL  
**Synonyms** : CAS USA 8000-34-8  
**CAS-No.** : 84961-50-2  
**EC-No.** : 284-638-7  
**REACH registration No** : 01-2119971802-33  
**FEMA** : 2323  
**FDA** : 184.1257  
**CEE** : 188n

### SECTION 4: Physical and chemical properties

**Physical state** : Liquid.  
**Appearance** : Clear. slightly. Viscous.  
**Colour** : Yellow. light brown.  
**Odour** : characteristic. spicy.  
**Flash point** : 120 °C  
**Relative density** : 1,042 – 1,063  
**Refractive index** : 1,528 – 1,538  
**Optical rotation** : -1,5 – 0,5 °  
**Solubility** : Poorly soluble in water.

**Composition** : EUGENOL  
Phenolic compound level : min 85 %

### SECTION 5: Handling and storage

**Precautions for safe handling** : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing smokes, vapours.  
**Hygiene measures** : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.  
**Storage conditions** : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.  
**Incompatible products** : Strong bases. Strong acids.  
**Incompatible materials** : Sources of ignition. Direct sunlight.  
**Maximum storage period** : 36 months Shelf life to guarantee the quality and properties of the product; After this period, it is recommended to control organoleptic and physicochemical properties before using the raw material.  
**Storage temperature** : 10 – 25 °C

Exaflor Technical Data Sheet

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*