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## SAFETY DATA SHEET

(according to Regulation (EU) No. 1907/2006)

### PRODUCT:TAGETE MINUTA OIL SOUTH AFRICA

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

- 1.1 **Product identifier** : TAGETE MINUTA OIL SOUTHAFRICA  
**Chemical name**: Tagetes minuta, oil  
**CAS**: 8016-84-0  
**Index No / Inventory Num.:** --  
**EC Number**: 294-862-7  
**REACH Registration number**: --/--
- 1.2 **Usage**: This product is only intended for using as an ingredient in the manufacturing of mixtures.  
**Strongly discouraged**: Not intended for the general public.
- 1.3 **Details of the supplier of the safety data sheet**:  
Highland Essential Oils  
Vlakkult farm  
Clocolan  
9735  
South Africa  
Mobile: Flip +27 (0) 83 303 8253 or Riana +27(0) 82 789 3035  
info@highlandessentialoils.co.za
- 1.4 **Emergency telephone number**: +27 (0) 83 303 8253

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

###### Classification according to the Regulation (EC) No 1272/2008.

Flammable liquids, Hazard Category 3; Aspiration hazard, Hazard Category 1; Skin corrosion/irritation, Hazard Category 2; Sensitisation — Skin, Hazard Category 1; Hazardous to the aquatic environment — long-term hazard, category chronic 2.

###### Classification according to the Directive 67/548/EEC.

Hazard Symbols:

Xn: Harmful

N: Dangerous for the environment

Risk Phrases:

R10: Flammable. R38:Irritating  
to skin.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65:  
Harmful: may cause lung damage if swallowed.

##### 2.2 Label elements

EC Number: 294-862-7

Tagetes minuta, oil



Signal word: Danger

Hazard Statements:

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways. H315:  
Causes skin irritation.

H317: May cause an allergic skin reaction.



H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P273: Avoid release to the environment.

P280: Wear protective gloves/eye protection/face protection.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P331: Do NOT induce vomiting.

### 2.3 Other hazards

Not available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Concentration range of the constituent (% weight/weight)	CE Number / Registration Number	CAS	Chemical name	Symbol(s); Risk phrase(s) / Hazard Class and Category Code; Hazard statement codes
25 - 100%	294-862-7	8016-84-0	Tagetes minuta, oil	Xn,N; R10-38-43-51/53-65 Flam. Liq. 3;H226- Asp. Tox. 1;H304- Skin Irrit. 2;H315- Skin Sens. 1;H317- Aquatic Chronic 2;H411

See section 16 for the full text of the risk phrases / Hazard statement codes declared above.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Consumption:

If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.

#### Eye contact:

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

#### Inhalation:

Remove person to fresh air and keep at rest.

#### Skin contact:

Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed:

Aspiration hazard. May cause lung damage if swallowed (aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration).

If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

Irritating to skin or mucous membranes (inflammation). May produce an allergic reaction (rash, urticaria). Read label before use. No additional information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Not available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

Recommended: Foam or dry powder. For safety reasons do not use full water jet.

### 5.2 Special hazards arising from the substance or mixture:

Not applicable.

### 5.3 Advice for firefighters:

Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapours. Use appropriate respiratory protection. Prevent run-off from fire fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

### 6.2 Environmental precautions:

Avoid contaminating the environment via the sewers or water sources.

### 6.3 Methods and material for containment and cleaning up:

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.



#### 6.4 Reference to other sections:

See section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling:

Keep away from food, drink and animal feedingstuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

#### 7.3 Specific end use(s):

Not available

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Declaration of substances is not required.

#### 8.2 Exposure controls

Personal protection equipment: Use personal protection equipment according to Directive 89/686/EEC. Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Respiratory Protection: Use personal breathing apparatus whenever deemed necessary.

Skin Protection: Avoid contact with skin. Compatible chemical-resistant gloves are recommended.

Wash contaminated gloves before reuse.

Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance: LIQUID  
Colour: ORANGE - BROWN  
Odour: FRUITY, CITRIC, HERBACEOUS Boiling  
Point: 180 °C  
Density: 0,911 g/cm<sup>3</sup> (20 °C) Flash  
Point: 59 °C  
Refractive Index: 1,425 - 1,510 (20 °C) Optical  
Rotation: -15,000 - 5,000 ° Additional  
information: Not applicable.

### SECTION 10: Stability and reactivity

10.1 Reactivity: Not available.

10.2 Chemical stability: Stable under normal operating conditions.

#### 10.3 Possibility of hazardous reactions:

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

10.4 Conditions to avoid: Avoid excessive heat, sparks or open flame.

No special precautions other than good housekeeping of chemicals.

10.5 Incompatible materials: None known.

10.6 Hazardous decomposition products: Carbon monoxide and other unidentified

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Toxicological effects: See also sections 2 and 3.

### SECTION 12: Ecological information

12.1 Acute aquatic toxicity: No data available.

12.2 Persistence and degradability: Not available.

12.3 Bioconcentration Factor: No determinado

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: Not determined.

12.6 Other adverse effects: Do not allow the material to enter streams, sewers or other waterways.

### SECTION 13: Disposal considerations


#### 13.1 Waste treatment methods

Container disposal: Do not reuse empty containers.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.



## SECTION 14: Transport information

International Carriage of Dangerous Goods by Road (ADR)	
UN No.:	UN1169
Proper Shipping Name:	EXTRACTS, AROMATIC, LIQUID
Packing Group:	III
Class:	3
Tunnel restriction code:	(D/E)
Label:	
Air Transport (ICAO/IATA)	
UN No.:	UN1169
Proper Shipping Name:	Extracts, aromatic, liquid
Class:	3
Packing Group:	III
Sea Transport (IMDG)	
UN No.:	UN1169
Proper Shipping Name:	Extracts, aromatic, liquid
Class:	3
Packing Group:	III
EmS:	F-E,S-D
Marine Pollutant:	Yes

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Substances are either included in EINECS, ELINCS, NLP inventories or exempt.

### 15.2 Chemical safety assessment:

Not available.

## SECTION 16: Other information

Text of risk phrases associated with ingredients listed in section 3: R10:

- R38: Flammable.  
Irritating to skin.  
R43: May cause sensitisation by skin contact.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65:  
Harmful: may cause lung damage if swallowed.

Text of hazard statement codes in section 3:

- H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways. H315:  
Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H411: Toxic to aquatic life with long lasting effects.

Key literature references and sources for data::

- 1.Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.
- 2.Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
- 3.Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- 4.Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- 5.Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work). Reason for

Remarks: 1



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