



SAFETY DATA SHEET

BASIL OIL (METHYL CHAVICOL TYPE)

Issue date: April 21, 2017
Version #5

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1. Identification of the substance/preparation and of the company/undertaking

| | |
|---|--|
| Product Name | Natural Basil Oil |
| CAS Number | 8015-73-4 |
| EC Number | 283-900-8 |
| FEMA Number | 2119 |
| Relevant identified uses of the substance or mixture | Industrial uses. Formulation [mixing] of preparations. |
| Uses advised against | Other uses than those recommended. |

Manufacturer Information

| | | |
|------------------------|---|--|
| Company name | TECH-VINA Joint Stock Company | |
| Address | Binh Dan Village, Tan Dan Commune, Khoai Chau District, Hung Yen Province, Vietnam | |
| Telephone | +86 866 115 486 | |
| Website | www.techvina.vn | |
| Email | info@techvina.vn | |
| Emergency phone number | +84 912 939 338 | |

2. Hazards Identification

| | | |
|------------------------------|--|------------|
| Physical hazards | Not classified. | |
| Health hazards | Acute toxicity, oral | Category 4 |
| | Sensitization, skin | Category 1 |
| | Germ cell mutagenicity | Category 2 |
| | Carcinogenicity | Category 2 |
| Environmental hazards | Hazardous to the aquatic environment, Category 3 long-term hazard | |

Label elements



GHS07



GHS08

GH

Signal word

Warning



Hazard Statements

- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P280 Wear protective gloves/eye protection/face protection.

Response

- P308 +P313 IF exposed or concerned: Get medical advice/attention
- P330 Rinse mouth.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/container to an approved waste disposal plant.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/Information on Ingredients

Substances

| Concentration range of the constituent (% weight/weight) | CE Number / Registration Number | CAS Number | Chemical name |
|--|---------------------------------|------------|-----------------------|
| 50% and 100% | 283-900-8 | 8015-73-4 | Ocimum basilicum, oil |

The chemical identity of any impurity, stabilising additive, or individual constituent other than the main constituent:

| Concentration (%) | CAS Number | EC Number | Chemical name | Hazard Class and Category Code; |
|-------------------|------------|-----------|---------------|---------------------------------|
|-------------------|------------|-----------|---------------|---------------------------------|



| | | | | Hazard statement codes |
|--------|------------|-----------|--|--|
| <87,00 | 140-67-0 | 205-427-8 | Methyl chavicol | Acute Tox. 4; H302-Skin Sens. 1B; H317-Muta. 2; H341-Carc. 2; H351 [1] |
| <4,00 | 470-82-6 | 207-431-5 | 4,7,7-trimethyl-8-oxabicyclo[2.2.2]-octane | Flam. Liq. 3; H226-Skin Sens. 1B; H317 [1] |
| <2,00 | 13877-91-3 | 237-641-2 | 3,7-Dimethylocta-1,3,6-triene | Flam. Liq. 3; H226-Asp. Tox. 1; H304 [1] |
| <1,25 | 78-70-6 | 201-134-4 | Linalool | Skin Irrit. 2; H315-Eye Irrit. 2; H319 [1] |
| <0,60 | 21368-68-3 | 244-350-4 | DL-Bornan-2-one | Flam. Sol. 2; H228-Acute Tox. 4; H302-Acute Tox. 4; H332-STOT SE 2; H371 [1] |
| <0,60 | 93-15-2 | 202-223-0 | 4-Allylveratrole | Acute Tox. 4; H302-Muta. 2; H341-Carc. 2; H351 [1] |
| <0,50 | 5989-54-8 | 227-815-6 | (S)-p-Mentha-1,8-diene | Flam. Liq. 3; H226-Skin Irrit. 2; H315-Skin Sens. 1; H317-Asp. Tox. 1; H304-Aquatic Acute 1; H400- Aquatic Chronic 1; H410 [1] |
| <0,50 | 123-35-3 | 204-622-5 | 7-methyl-3-methyleneocta-1,6-diene | Flam. Liq. 3; H226-Skin Irrit. 2; H315-Eye Irrit. 2; H319-Asp. Tox. 1; H304 [1] |
| <0,10 | 79-92-5 | 201-234-8 | Camphene | Flam. Sol. 2; H228-Eye Irrit. 2; H319-Aquatic Acute 1; H400- Aquatic Chronic 1; H410 [1] |

[1] Constituent.

4. First-aid measures



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| Inhalation | Move affected person to fresh air at once. Get medical attention if any discomfort continues. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |
| Ingestion | Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately |
| Most Important symptoms/effects, acute and delayed | May produce an allergic reaction. |
| Indication of Immediate medical attention and special treatment needed | Not available. |
| General Information | Person suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards. |
| 5. Fire-fighting measures | |
| Suitable extinguishing media | Extinguish with the following media: Foam, carbon dioxide or dry powder. |
| Unsuitable extinguishing media | Water. |
| Specific hazards arising from the chemical | Toxic gases or vapors. |
| Special protective equipment and precautions for firefighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |
| Firefighting equipment/instructions | Containers close to fire should be removed or cooled with water. |
| Specific methods | Not available. |
| General fire hazards | Not available. |
| 6. Accidental release measures | |
| Personal precautions, protective equipment, and emergency procedures | 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. |



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| Methods and materials 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. |
| Environmental precautions | Avoid contaminating the environment via the sewers or water sources. |
| 7. Handling and storage | |
| Precautions for safe handling | Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. |
| 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. |
| 8. Exposure controls/personal protection | |
| Control parameters | Declaration of substances is not required. |
| Exposure controls | |
| Personal protection equipment | Use personal protection equipment according to Directive 89/686/EEC. |
| Engineering Controls-Ventilation | The areas where the product is handled and stored should be adequately ventilated. |
| 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. |
| Eye/Face protection | Chemical safety goggles are recommended. Wash contaminated goggles before reuse. |
| 9. Physical and chemical properties | |
| Appearance | Refer to Spec Sheet |
| Physical state | Liquid |
| Form | Liquid |
| Color | Pale yellow – Amber |
| Odor | Floral, fresh, herbaceous |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |



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| Initial boiling point and boiling range | Not available. |
| Flash point | 80 °C |
| Refractive Index | 1.470 to 1.500 @ 20 °C |
| Flammability (solid, gas) | Not applicable. |
| Vapor pressure | Not applicable. |
| Vapor density | Not available. |
| Solubility (water) | Insoluble |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Specific gravity | Not available. |
| 10. Stability and reactivity | |
| Reactivity | Not available. |
| Chemical stability | Stable under normal operating conditions. |
| Possibility of hazardous reactions | Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions. |
| Conditions to avoid | Heat, flames and other sources of ignition. No special precautions other than good housekeeping of chemicals. |
| Incompatible materials | Oxidizing mineral acids, strong reducing agents, strong oxidizing agents. |
| Hazardous decomposition products | Carbon monoxide and other unidentified organic compounds may be formed upon combustion. |
| 11. Toxicological Information | |
| Information on toxicological effects | |
| Acute toxicity | This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| Skin corrosion/irritation | This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| Serious eye damage/eye irritation | This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| Germ cell mutagenicity | This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| Carcinogenicity | This substance meets the criteria for classification in |



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|--------------------------------------|--|
| | accordance with Regulation (EC) No 1272/2008. |
| Reproductive toxicity | This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| STOT-single exposure | This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| STOT-repeated exposure | This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| Aspiration toxicity | This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. |
| 12. Ecological information | |
| Ecotoxicity | Harmful to aquatic life with long lasting effects. |
| Persistence and degradability | The product is expected to be biodegradable. |
| Bio accumulative potential | The product does not contain any substances expected to be bioaccumulating. |
| Mobility in soil | No data available. |
| Other adverse effects | Do not allow the material to enter streams, sewers or other waterways. |
| 13. Disposal Considerations | |
| Container disposal | Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site. |
| Contaminated packaging | Dispose of waste product or used containers in accordance with local regulations. |
| 14. Transport Information | |
| DOT (US) | |
| UN Number | N/A |
| Proper Shipping Name | Not restricted. |
| Class | - |
| Packing Group | - |
| IMDG | |
| UN Number | N/A |
| Proper Shipping Name | Not restricted. |
| Class | - |
| Packing Group | - |



IATA

UN Number N/A

Proper Shipping Name Not restricted.

Class -

Packing Group -

ADR

UN Number N/A

Proper Shipping Name Not restricted.

Class -

Packing Group -

Transport hazard class(es) N/A

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture Not available

Chemical safety assessment Not available.

16. Other Information

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Version # 5

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet is intended to meet the specific requirements of GHS and should be used accordingly. While the information has been obtained from sources believed to be accurate and reliable, no warranty, expressed or implied, can be made with regard to its completeness, correctness or accuracy. Any users or handlers of this product who are not under the direct control of Tech-vina JSC are responsible for evaluating this information in light of their particular situation and are responsible for all losses, damages or expenses that result while this material is under their control. It is also the responsibility of the users and handlers to observe any and all laws and regulations (Global, Federal, State and Local) concerning the transportation, use, handling, storage and disposal of this product.