

SAFETY DATA SHEET

1. INFORMATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Product identifiers

| | |
|--------------|-------------------|
| PRODUCT NAME | GARLIC OIL |
| PRODUCT CODE | EC 0011 |

| | |
|-----------------------|-----------------------------------|
| COMMON CHEMICAL NAME: | Garlic Oil |
| CAS: | No available |
| FEMA: | No available |
| CLASSIFICATION: | Essential Oil / Natural Identical |

1.2 Relevant identified uses of the substance or mixture and uses advised against:

| | |
|------------------|-----------------|
| IDENTIFIED USES: | Flavoring Agent |
|------------------|-----------------|

1.3 Details of the supplier of the safety data sheet:

AROMÁTICOS QUÍMICOS POTOSINOS, S.A. DE C.V.
AV. CIRCUNVALACIÓN ORIENTE No. 225 CD. GRANJA
TEL. 01 (33) 3777 – 4240 CON 20 LÍNEAS
ZAPOPAN, JALISCO. CP 45010, MÉXICO

1.4 Emergency phone:

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to the Globally Harmonized System

| | |
|--------------------------------------|------|
| Flammable liquid (Category 3) | H226 |
| Acute toxicity, oral (category 4) | H302 |
| Skin irritation (category 2) | H315 |
| Skin sensitization (category 1B) | H317 |
| Serious eye irritation (category 2A) | H319 |

2.2 GHS Label elements, including precautionary statements:

PICTOGRAM



SIGNAL WORD:

Warning

Hazard statement(s)

| | |
|------|-------------------------------------|
| H226 | Flammable liquid and vapor |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |

Precautionary statement(s)

| | |
|--------------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking |
| P233 | Keep container tightly closed. |
| P240 | Grounding and bonding of container and receiving equipment |
| P241 | Use explosion-proof material |
| P242 | Do not use spark producing tools. |
| P243 | Take precautionary measures against electrostatic discharge |
| P261 | Avoid breathing gases, mists and vapors. |
| P264 + P265 | Wash hands thoroughly after handling. Don't touch your eyes. |
| P270 | Do not eat, drink or smoke when using this product. |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P280 | Wear protective gloves and clothing, as well as eye and face protection. |
| P301 + P317 | IF SWALLOWED: seek medical advice. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses when they are present and can be done easily. Continue with the wash. |
| P330 | Rinse mouth |
| P333 + P317 | If skin irritation or rash occurs: seek medical advice |
| P337 + P317 | If eye irritation persists: seek medical advice |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| P370 + P378 | In case of fire: use alcohol resistant foam, dry chemical or CO2 |
| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents / container, in accordance with national and international regulations |

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Data no available

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances.

| Component | CAS | Clasificación | Concentration |
|------------|--------------|---|---------------|
| GARLIC OIL | No available | Flam. Liq. 3;H226 Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Skin Sens. 1B;H317 | ≤ 100.00 % |

4. FIRST AID MEASURES

4.1 Description of first aid measures.

IN CASE OF EYED CONTACT

Remove contact lenses. Subject the eyes under running water for at least 15 minutes. Obtain medical assistance if necessary.

IN CASE OF SKIN CONTACT

Remove any contaminated clothing or shoes. Wash with soap and water. If irritation persists, get medical attention. In case of contact with the skin (or hair). Remove immediately the contaminated clothing. Rinse skin with water / shower. Wash body parts that have been carefully exposed after handling.

IF INHALED

Remove to fresh air. Avoid gas inhalation. Obtain medical assistance if necessary.

IF SWALLOWED

Obtain immediate medical assistance. If swallowed: call a poison control center or doctor if the person is unwell. Rinse mouth. Do not induce vomiting

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

SUITABLE EXTINGUISHING MEDIA:

Foam, dry powder, Carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA:

Not available.

5.2 Special hazards arising from the substance or mixture:

Not available.

5.3 Advice for firefighters:

Wear self - contained breathing apparatus for firefighting if necessary.

5.4 Further information:

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Keep away from heat / sparks / open flames / hot surfaces. Keep container tightly closed. Use explosion-proof electrical / ventilating / lighting / equipment. do not use tools that produce sparks. Do not eat, drink or smoke samples this product is handled.

6.2 Environmental precautions:

Do not touch spilled material. Eliminate all sources of ignition. Prevent leaks inside drains, pipes, sewers or confined areas.

6.3 Methods for cleaning up:

Contain the spilled material with an inert, non-combustible absorbent material (such as dry earth or sand) and remove it to an approved waste container. If required, report the spill to the appropriate authority

Recovery:

Recycle to process, if possible.

Neutralization:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

7. HANDLING AND STORAGE

7.1 Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

7.2 Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limits:

It contains no substances with occupational exposure limit values

8.2 Exposure controls:

RESPIRATORY PROTECTION:

Use positive pressure self-contained breathing apparatus.

HAND PROTECTION:

Use protective gloves oil/chemical resistant.

EYE PROTECTION:

Use protective goggles or facial mask.

SKIN PROTECTION:

During its management, follow the Good Manufacturing Practices. Avoid prolonged contact. Wash your hands immediately before eating and after any contact with the material. Thoroughly wash any clothing or shoes before reusing them.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

| | |
|--|--|
| APPEARANCE: | Crystalline oily liquid |
| COLOUR: | Light yellow to red-orange. |
| UPPER / LOWER LIMIT OF FLAMMABILITY OR EXPLOSION: | Not available. |
| SMELL AND TASTE: | Characteristic of garlic, strong, pungent. |
| VAPOR PRESSURE: | Not available. |
| OLFACTORY THRESHOLD: | Not available. |
| VAPOR DENSITY: | Not available. |
| pH: | Not available. |
| RELATIVE DENSITY: | Not available. |
| MELTING POINT: | Not available. |
| SOLUBILITY: | Soluble in most oil mixtures, in mineral oil. It can be completely soluble in alcohol. Insoluble in glycerin and propylene glycol. |
| BOILING POINT: | Not available. |
| DENSITY AT 25 °C (g/mL): | 1,050 – 1,095 |
| REFRACTIVE INDEX 20°C: | 1,550 – 1,580 |
| POLYMERIZATION TEMPERATURE SELF-ACCELERATED: | Does not polymerize |
| DISTRIBUTION COEFFICIENT: | Not available |
| N-OCTAGONAL/WATER; TEMPERATURE OF DECOMPOSITION: | Not available |
| FLASH POINT: | 118°F (47.0°C) |
| AUTO-IGNITION TEMPERATURE | 240 °C |
| EVAPORATION RATE: | Not available. |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| 10.1 Reactivity: | No data available |
| 10.2 Chemical stability: | Stable under conditions of normal storage and use. |
| 10.3 Possibility of hazardous reactions: | No data available |
| 10.4 Conditions to avoid: | Heat, flames and sparks. |
| 10.5 Incompatible materials: | Strong oxidizing agents. |
| 10.6 Hazardous decomposition products: | Carbon monoxide and carbon dioxide. |

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects.

Acute toxicity

ATE Oral: 370 mg / Kg

Inhalation: No data available

ATE Cutáneo: > 5800 mg / Kg

Skin corrosion/irritation

Cause skin Irritation

Serious eye damage/eye irritation

Cause serious eye irritation

Respiratory or skin sensitization

May cause an allergic skin reaction

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

Specific target organ toxicity -single exposure

Based on the available data, the classification criteria are not met.

Specific target organ toxicity -repeated exposure

Based on the available data, the classification criteria are not met.

Aspiration hazard

Based on the available data, the classification criteria are not met.

Additional information

No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

80 - 90% of the mixture is made up of one or more components of unknown danger to the aquatic environment.

12.2 Persistence and degradability

Not determined.

12.3 Bioaccumulative potential

Not determined.

12.4 Mobility in soil

Not determined.

12.5 Results of PBT and vPvB assessment

Not determined.

12.6 Other adverse effects

Not determined.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

WASTE FROM RESIDUE:

Dispose of in accordance with State, Federal and Local Regulations

CONTAMINATED PACKAGING:

Dispose of in accordance with State, Federal and Local Regulations.

14. TRANSPORT INFORMATION

Shipping classification:

DOT (US)

UN number: 1197 Class: 3 Packing group: III
Proper shipping name: Extracts, flavouring, liquid.
Poison Inhalation Hazard: No



IMDG

UN number: 1197 Class: 3 Packing group: III EMS-No: F-E, S-D
Proper shipping name: Extracts, flavouring, liquid.



IATA

UN number: 1197 Class: 3 Packing group: III
Proper shipping name: Extracts, flavouring, liquid.



15. REGULATORY INFORMATION

International regulations

- *Chemical substances included in the lists of the convention on chemical weapons:* Contains no listed substances
- *Montreal Protocol:* Contains no listed substances
- *Stockholm Convention on Persistent Organic Pollutants:* Contains no listed substances
- *Rotterdam Convention:* Contains no listed substances
- *Ingredients that cause hypersensitivity, intolerance or allergy according to NOM-051 SCFI/SSA1-2010, General labeling specifications for prepackaged foods and non-alcoholic beverages-Commercial and health information. (Mexico)* Contains no listed substances

16. OTHER INFORMATION:

The information presented in this Safety data sheet is considered correct, but is not exhaustive and will be used only as guidance, which is based on the current knowledge of the chemical or mixture and is applicable to the precautions of appropriate safety for the product.

Reference :

- NOM-010-STPS-2014. Chemical pollutants of the work environment - Recognition, evaluation and control.
- NOM-018-STPS-2015, Harmonized system for the identification and communication of dangers and risks due to hazardous chemical substances in the workplace.
- Globally harmonized system of classification and labeling of chemical products (GHS / GHS). Seventh edition. United Nations, 2021.

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