

SAFETY DATA SHEET

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

1.1 Product identifiers

PRODUCT NAME **ONION OIL**
PRODUCT CODE **EC 0012**

COMMON CHEMICAL NAME: Onion 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:

AROMÁTICOS QUÍMICOS POTOSINOS, S.A. DE C.V.
ZAPOPAN, JALISCO
Tel. 0052 (33) 3777 – 4240 Ext. 154
(Monday to Friday 8: 00 – 18:00 GMT -5 / UTC -6)
Tel. (+52) 33 1458 2673 (24 h)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to the Globally Harmonized System

Acute oral toxicity (category 4)	H302
Skin irritation (category 2)	H315
Serious eye irritation (category 2A)	H319
Specific Target Organ Toxicity - Single Exposure (category 3)	H335
Flammable liquid (category 4)	H227
Hazardous to the aquatic environment - short-term hazard (category 2)	H401

2.2 GHS Label elements, including precautionary statements:

PICTOGRAM



SIGNAL WORD:

Warning

Hazard statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation.
H335	May cause respiratory irritation
H227	Combustible liquid and vapor
H401	Toxic to aquatic organisms

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
P261	Avoid breathing gases 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.
P271	Use only outdoors or in a well-ventilated area
P280	Wear gloves and eye protection.
P301 + P317	IF SWALLOWED: Get medical help.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 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 + P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up
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	Clasification	Concentration
ONION OIL	No disponible	Flam. Liq. 4; H227 Acute Tox. Oral 4; H302 Skin irrit. 2; H315 Eye Irrit. 2A; H319 Aquatic Acute 2; H401 STOT SE 3; H335	≤ 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

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

COLOR:

Amber yellow to amber orange.

**UPPER / LOWER LIMIT OF
FLAMMABILITY OR EXPLOSION:**

Not available.

SMELL AND FLAVOR:

Characteristic of fresh onion bulbs, aromatic.

VAPOR PRESSURE:

Not available.

OLFATIVE 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, and in alcohol.
BOILING POINT:	Not available.
DENSITY AT 25 ° C (g/mL)	1,050 - 1,135
REFRACTION INDEX 20 ° C:	1.549 - 1.570
POLYMERIZATION TEMPERATURE	
SELF-ACCELERATING:	Does not polymerize
DISTRIBUTION COEFFICIENT: N-OCTAGONAL / WATER;	Not available
TEMPERATURE OF DECOMPOSITION:	Not available
FLASH POINT:	170.60 ° F (77.0 ° C)
AUTO-IGNITION TEMPERATURE:	220.0 ° 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: 1450 mg / Kg
Inhalation: No data available
Dermal: No data available

Skin corrosion/irritation

Cause skin irritation

Serious eye damage/eye irritation

Cause serious eye irritation

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

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

No data available

Specific target organ toxicity -single exposure

It can irritate the respiratory tract

Specific target organ toxicity -repeated exposure

No data available

Aspiration hazard

No data available

Additional information

No data available

12. ECOLOGICAL INFORMATION

- | | |
|---|-----------------|
| 12.1 Toxicity | Not determined. |
| 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: Not applicable Class: Not applicable Packing group: Not applicable
Official transportation designation of the United Nations: Not considered dangerous material for transport.

IMDG

UN number: Not applicable Class: Not applicable Packing group: Not applicable EMS-No: Not applicable
Official transportation designation of the United Nations: Not considered dangerous material for transport.

IATA

UN number: Not applicable Class: Not applicable Packing group: Not applicable
Official transportation designation of the United Nations: Not considered dangerous material for transport.

14.1 UN number (not subject to transport regulations)

14.2 Official transportation designation of the United Nations not relevant

14.3 Class (s) of danger for non-relevant transport
Class -

14.4 Packing group not relevant.

15. REGULATORY INFORMATION

International regulations

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

The information contained in this material safety data sheet was obtained from current and reliable sources. This data is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

RESEARCH AND DEVELOPMENT DEPARTMENT
ISSUE : OCTOBER 06, 2022 ING. SEBASTIAN GAYTAN MOTA
VALIDITY: OCTOBER 06, 2024
REVISED: IBQ. JESÚS EMANUEL BARRERA RICO
AUTHORIZED: DR. ENRIQUE PIÑEYRO VEGA



tecnaal
Essence flavor technology
Aromáticos Químicos Potosinos S.A. de C.V.