

SAFETY DATA SHEET

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

1.1 Product identifiers

PRODUCT NAME ORANGE ESSENTIAL OIL
PRODUCT CODE EC 0008

COMMON CHEMICAL NAME: Orange Essential Oil.
CAS: 8028-48-6.
FEMA: 2825.
CLASSIFICATION: Essential Oil / Natural.

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

IDENTIFIED USES: Flavoring agents, Food grade

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:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids (Category 3)	H226
Aspiration hazard (Category 1)	H304
Corrosion/Skin irritation (Category 2)	H315
Skin Sensitization (Category 1)	H317
Hazard to the aquatic environment-Acute hazard (Category 1)	H400
Hazard to the environment-long-term hazard (Category 1)	H410

2.2 GHS Label elements, including precautionary statements:

PICTOGRAM:



SIGNAL WORD

Danger

Hazard statement(s)

H226
H304
H315
H317
H400
H410

Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause an allergic skin reaction.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233

Keep container tightly closed.

P241

Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

P261

Avoid breathing dusts/fumes/fumes/mists/vapours/sprays.

P264

Wash skin thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P272

Contaminated work clothing should not be allowed out of the workplace.

P273

Avoid release to the environment.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P302 + P352

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

P303 + P361 + P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

P331

Rinse skin with water/shower.

P333 + P313

Do NOT induce vomiting.

P362

IF SKIN irritation or rash occurs: Get medical advice/ attention.

P370 + P378

Take off contaminated clothing and wash before reuse.

P391

In case of fire: Use dry sand, dry chemical powder or alcohol resistant foam for extinction.

P403 + P235

Collect spillage.

P405

Store in a well-ventilated place. Keep cool.

P501

Store locked up.

Dispose of contents/container at an authorized waste disposal plant.

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

None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances.

Component	CAS	Clasification	Concentration
Orange Essential Oil	8028-48-6	Flam. Liq.3, H226 Asp. Tox.1, H304 Skin Irrit.2, H315 Skin Sens.1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	≤ 100.00 %

4. FIRST AID MEASURES

4.1 Description of first aid measures.

GENERAL ADVICE

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

IF INHALED

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

IN CASE OF SKIN CONTACT

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

IN CASE OF EYED CONTACT

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

IF SWALLOWED

Do NOT induce vomiting. Never give anything by mouth to an conscious person. Rinse mouth with water. Consult a physician.

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.

UNISUITABLE EXTINGUISHING MEDIA:

Water.

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:

Flammable liquid, Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.

6.2 Enviromental precautions:

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

6.3 Methods for cleaning up:

Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas, dike if needed. Eliminate all ignition sources.

Recovery:

Recycle to process, if possible.

Neutralization:

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

Disposal:

Consult your local or regional authorities.

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:

Not available.

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:	Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with skin or eyes. This material is intended for manufacturing use only.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

APPEARANCE:	Oily and crystalline liquid.
COLOR:	Intensely yellow to orange or deep orange.
ODOR:	Characteristic odor and taste of the outer part of fresh, sweet orange peel.
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not available.
VAPOUR PRESSURE:	Not available.
ODOR THRESHOLD:	Not available.
VAPOUR DENSITY:	Not available.
pH VALUE:	Not available.
RELATIVE DENSITY:	Not available.
MELTING POINT:	Not available.
SOLUBILITY:	It is soluble in most fixed oils and in mineral oil. It can be incompletely soluble in alcohol. It is insoluble in glycerin and propylene glycol.
BOILING POINT:	Not available.
DENSITY 25°C (g/mL):	0.842 – 0.846
REFRACTIVE INDEX 20°C:	1.472 – 1.476
ANGULAR ROTATION 20°C:	+94.00° – +99.00°
ALDEHYDES %:	1.20 – 2.50
OCTANOL / WATER PARTITION COEFFICIENT:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
FLASH POINT:	112°F, TCC (44.44°C)
AUTOIGNITION TEMPERATURE:	Not available.
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: >5,000 mg/kg
Inhalation: No data available
ATE Dermal: >5,000 mg/kg

Skin corrosion/irritation

Causes skin irritation

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

May causes an allergic skin reaction.

Germ cell mutagenicity

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

Carcinogenicity

IARC: No components 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 components 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 components 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 components 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

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

May be fatal if swallowed and enters airways.

Additional Information

No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

D'limoneno (5989-27-5)	
LC50 fish 1	720 µg/l (96h;Pimephales promelas;Lethal)
LC50 fish 2	702 µg/l (96h;Pimephales promelas)
EC50 Daphnia 1	0.36 mg/l (48h;Daphnia magna; GLP)
Threshold limint algae 1	150 mg/l (72h;Desmodesmus subspicatus; GLP)
Threshold limit algae 2	720 µg/l (72h;Desmodesmus subspicatus)

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

DOT (US)

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



IMDG

UN number: 1197 Class: 3 Packing group: III
Proper shipping name: EXTRACTS, FLAVOURING, LIQUID

EMS-No: F-E, S-E





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 food and non-alcoholic beverages- Commercial and health information. (Mexico) | Contains no listed substances |
| • List of human-tested contact allergens from the Scientific Committee on Consumer Safety of the European Union | 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, 2017

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