

SAFETY DATA SHEET

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

1.1 Product identifiers

PRODUCT NAME	BLACK PEPPER ESSENTIAL OIL
PRODUCT CODE	EC 0021

COMMON CHEMICAL NAME:	Black Pepper Essential Oil
CAS:	84929-41-9 / 8006-82-4
FEMA:	2845
CLASSIFICATION:	Essential Oil

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

Flammable liquid (category 3)	H226
Skin irritation (category 2)	H315
Skin sensitization (category 1)	H317
Aspiration hazard (category 1)	H304
Hazardous to the aquatic environment - short-term hazard (Category 1)	H400
Hazardous to the aquatic environment - long-term hazard (Category 2)	H411

2.2 GHS Label elements, including precautionary statements:

PICTOGRAM



SIGNAL WORD:

Danger

Hazard statement(s)

H226	Flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and/or enters airways
H400	Very toxic to aquatic organisms
H411	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.
P233	Keep container tightly closed
P240	Earthing 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 and vapors
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Do not disperse into the environment
P280	Wear protective gloves
P301 + P316	If swallowed: Seek emergency medical help immediately.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P303 + P361 + P353	IF ON SKIN : Take off immediately all contaminated clothing and wash it before reuse
P331	Do not induce vomiting
P333 + P317	If skin irritation or rash occurs: Get medical help.
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
P391	Collect spillage
P403 + P235	Store in a well-ventilated place. keep cool
P405	Lock 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
Black Pepper Essential Oil	84929-41-9	Flam. Liq. 3;H226 Skin Irrit. 2;H315 Skin Sens. 1;H317 Asp. Tox. 1;H304 Aquatic Acute 1;H400 Aquatic Chronic 2;H411	≤ 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:

Transparent oily liquid.

COLOUR:

Colorless to yellow.

SMELL:

Characteristic of pepper, spicy.

UPPER / LOWER LIMIT OF FLAMMABILITY OR EXPLOSION:

Not available.

VAPOR PRESSURE:

Not available.

OLFACTORY THRESHOLD:

Not available.

VAPOR DENSITY:

Not available.

<i>pH:</i>	Not available.
<i>RELATIVE DENSITY:</i>	Not available.
<i>MELTING POINT:</i>	Not available.
<i>SOLUBILITY:</i>	Soluble in some mixtures of oils, mineral oil and in propylene glycol. Partially soluble in glycerin.
<i>BOILING POINT:</i>	Not available.
<i>DENSITY AT 25 °C:</i>	0.864 – 0.884
<i>REFRACTIVE INDEX 20°C:</i>	1.479 – 1.488
<i>PARTITION COEFFICIENT N-OCTAGONAL/WATER:</i>	Not available
<i>DECOMPOSITION TEMPERATURE:</i>	Not available
<i>FLASH POINT:</i>	122.00°F (50.00°C)
<i>AUTOIGNITION TEMPERATURE</i>	Not available.
<i>EVAPORATION RATE:</i>	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

Oral: No data available
Inhalation: No data available
Dermal: No data available

Skin corrosion/irritation

Cause skin irritation

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

Causes an allergic skin reaction

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

No data available

Specific target organ toxicity -repeated exposure

No data available

Aspiration hazard

May be fatal if swallowed and/or enters airways

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: 1197 Class: 3

Proper shipping name: Extracts liquids

Poison Inhalation Hazard: No

Packing group: III



IMDG

UN number: 1197 Class: 3

Proper shipping name: Extracts liquids

Packing group: III

EMS-No: F-E, S-E



IATA

UN number: 1197 Class: 3

Proper shipping name: Extracts liquids

Packing group: III



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 |

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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