



SDS.079 - Sesame Paste

Revision nº 00

Date of revision: October, 2025

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## Sesame Paste

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION	
Product name	<b>Sesame Paste</b>
Other identification methods	Sesame seed, ground into paste.
Description	Sesame paste is obtained by grinding sesame seeds ( <i>Sesamum indicum</i> L.), resulting in a homogeneous and creamy paste. This paste is rich in oleic ( $\omega$ -9) and linoleic ( $\omega$ -6) fatty acids.
Recommended uses	This product is for industrial use. It is not intended for the end consumer.
Manufacturer/Supplier	<b>CONCEPTA INGREDIENTES LTDA</b>
Address	196, Alameda Flavia Zip Code 13278-180 - Valinhos - SP - Brazil
Emergency Telephone	+ 55 19 3115 - 1315
Anvisa Poison Control Hotline (24h)	0800-722-6001
E-mail	<a href="mailto:emergencia@conceptaingredients.com">emergencia@conceptaingredients.com</a>

SECTION 2. HAZARDS IDENTIFICATION	
<b>Hazard classification of the substance or mixture</b>	The product is not classified as hazardous according to ABNT NBR 14725-2:2023, as it does not present physicochemical, toxicological, or environmental properties that meet the hazard classification criteria of the GHS.
<b>Important Hazards</b>	No significant hazards under normal use conditions.
<b>Other Hazards</b>	May cause allergic reactions in individuals with sesame seed allergies.
<ul style="list-style-type: none"> <li><b>Product Effects</b></li> </ul>	
Human healthy effects	No significant effects identified under normal use conditions.
Environmental Effects	The product is biodegradable and does not present significant risk to the environment. However, direct disposal into soil, waterways, or sewage systems should be avoided.
Physical and Chemical Hazards	The product is a non-volatile liquid with no significant physical or chemical hazards under normal conditions of use.
Specific Hazards	Not required
Main symptoms	N/A
Classification system used	Norma ABNT 14725 - Adopted Global Hazards System for labeling requirements of chemical products, GHS-ONU.
<ul style="list-style-type: none"> <li><b>Appropriate labeling elements</b></li> </ul>	
Pictograms	Not applicable
Warning word	Not applicable
Hazard phrases	Not applicable
Safety phrases	Not applicable
Additional Information	Allergenic Product

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS	
Chemical name	<i>Sesamum indicum</i> seed paste
Chemistry nature	Vegetable origin; lipids, proteins, carbohydrates, fibers, vitamins, and minerals.



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Is the chemical a substance or a mixture?		Substance.			
Does it pose a health hazard to the employee?		No.			
Is there an established occupational exposure limit?		N/A			
Ingredients or impurities that contribute to the hazard		N/A			
Identification (CTFA)	European Union Identification (EU)	CAS number	EINECS number	Concentration <sup>1</sup>	Classification According EU 1272/2008
-	<i>Sesamum indicum seed</i>	8008-74-0	232-370-6	A	Not classified as a hazardous substance

<sup>1</sup> FDA – Code (A = >50%, B = 25-50%, C = 10-25%, D = 5-10%, E = 1-5%, F = 0.1-1%, G = < 0.1%)

### SECTION 4. FIRST AID MEASURES

Inhalation	The product is not expected to have an irritant effect.
Skin contact	No adverse effects due to skin contact expected. Wash with water and soap.
Eye contact	Rinse with water. In case of irritation seek medical advice.
Ingestion	If larger quantities are swallowed, do not induce vomiting and seek medical advice immediately.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Foam, dry chemical powder, carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	Do not use direct water jet.
Special protective equipment for firefighters	Self-contained breathing apparatus (SCBA) with positive pressure and full protective clothing.
Specific hazards	This product is made up of non-inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<ul style="list-style-type: none"> <li><b>Personnel precautions</b></li> </ul>	
Ignition sources	Should be removed preventively.
Prevention of inhalation, contact with skin, mucous membranes and eyes	Do not touch damaged containers or spilled material without wearing suitable clothing. Avoid inhalation, skin or eye contact. Use personal protective equipment as described in section 8.
<ul style="list-style-type: none"> <li><b>Environmental precautions</b></li> </ul>	
Procedures to be adopted	Do not allow product to reach sewage system. Measures should be taken to reduce or prevent effects on groundwater. In running water apply appropriate dispersant according to local environmental authority instruction.
<ul style="list-style-type: none"> <li><b>Cleaning methods</b></li> </ul>	
Procedures to be adopted	<p><b>Ensure proper disposal of all cleaning materials in compliance with local regulations.</b></p> <p><b>Spill in soil:</b> If possible, collect the product mechanically. Use natural or spill containment barriers. Collect spilled product and place in proper containers. Absorb remaining product with dry sand, earth, vermiculite, or any other inert material. Place the adsorbed material in suitable containers and remove them to a safe place for later disposal.</p>



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	<b>Spill in water:</b> Immediately spill product into dikes. Notify ports and relevant authorities. Remove from surface with absorbent material. Use suitable dispersants according to local regulations
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### SECTION 7. HANDLING AND STORAGE

Conditions for sale storage	In a cool, dry, ventilated place, away from direct sunlight, preferably ambient temperature (not above 25°C) and away from sources of ignition. Keep containers hermetically sealed. Appropriate mechanical equipment should be used for handling drums and heavy packages.
<ul style="list-style-type: none"> <li>• <b>Safe packing materials</b></li> </ul>	
Recommended	Keep in the original packing or similar.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<ul style="list-style-type: none"> <li>• <b>Parameters of specific control</b></li> </ul>	
Engineering controls	Promote direct mechanical ventilation and exhaust system to the outside environment. These measures help reduce exposure to product. It is recommended to make emergency showers and eye-wash facilities available in the work area. Engineering control measures are the most effective in reducing product exposure.
<ul style="list-style-type: none"> <li>• <b>Personal Protective Equipment appropriate</b></li> </ul>	
Eye protection	Wear safety glasses with side protection.
Skin protection	Avoid contact with the skin. Wear rubber gloves.
Respiratory protection	Suggest <b>general protection measures</b> like using dust masks in specific cases of aerosol generation.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (Appearance)	Homogenous paste
Color	Light brown to brown
Odor	Characteristic sesame aroma
Melting point/ freezing point	Not applicable
Boiling point/ boiling range	Not determined
Flammability (solid, gas)	Non-flammable product
Upper and lower explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not determined
pH	Not applicable
Viscosity (30°C)	High viscosity, thick consistency
Solubility(ies)	Insoluble in water, miscible in oils and fats
Partition coefficient: noctanol/water	Not determined (natural product, high in lipids)
Vapour Pressure	Negligible (pasty product, non-volatile)
Specific gravity (Relative density)	Approximately 0.9 - 1.1 g/cm <sup>3</sup>
Vapour density	Not applicable
Evaporation rate	Not applicable
Particle characteristics	Pasty product, no perceptible solid particles

### SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable
Possibility of hazardous reactions	Stable, none under normal conditions



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Conditions to avoid	Keep away from flames, other ignition sources, and oxidizers such as liquid chlorine and concentrated oxygen.
Hazardous decomposition products	Product does not decompose with appropriate handling and normal storage conditions.
Reactivity	May oxidize upon prolonged exposure to air, leading to the formation of free fatty acids.

### SECTION 11. TOXICOLOGICAL INFORMATION

- Delayed and immediate effects and also chronic effects from short- and long-term exposure**

Acute toxicity	No acute toxicity effects observed at tested concentrations.
Corrosion and irritation of the skin	Product not classified as skin corrosion/irritation.
Serious eye damage/eye irritation	It is not expected that the product causes eye <b>damage</b> /eye irritation
Irritating effect on respiratory organs	It is not expected that the product causes respiratory irritation.

- CMR effects**

Carcinogenicity	Not classified
Mutagenicity	Not classified
Reproduction (toxicity)	Not classified

- Systemic toxicity to specific target organ**

Single exposure	Not classified
Repeated exposures	Not classified

### SECTION 12. ECOLOGICAL INFORMATION

- Environmental effects, behavior and impact of the product**

Ecotoxicity	The product is not considered toxic to aquatic organisms, according to available literature on its components.
Biodegradability	Calendula oil extract is biodegradable, as its components degrade naturally in the environment.
Bioaccumulation	Due to its lipophilic nature, it may have limited bioaccumulation, but its rapid degradation minimizes this risk.
Contaminated packaging	Not available

### SECTION 13. DISPOSAL CONSIDERATIONS

- Waste disposal methods**

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	The treatment and disposal should be evaluated for each specific product. Keep the product remains in its original and properly closed. Disposal should be performed as established for the product. Do not reuse empty containers. These may contain product residues and should be kept closed and sent for proper disposal as established for the product.
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### SECTION 14. TRANSPORT INFORMATION

- International Regulation**

Land	U.S. DEPARTMENT OF TRANSPORTATION (DOT) Code of Federal Regulations (CFR)
Sea	IMO – International Maritime Organization International Maritime Dangerous Goods Code (IMDG Code)
Air	IATA – International Air Transport Association Dangerous Goods Regulation (DGR)
UN number	Not classified as hazardous to transport



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Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code	<p>- International Maritime Organization. MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006;</p> <p>- International Maritime Organization. IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the code. IMO, London, 2007.</p>
Special precautions	There is no need for special precautions

### SECTION 15. REGULATORY INFORMATION

Specific regulations for the chemical products	<ul style="list-style-type: none"> <li>• <b>GHS Classification:</b> Not hazardous</li> <li>• <b>FDA (U.S.):</b> Approved as a food ingredient</li> <li>• <b>EU Food Safety Regulations:</b> Compliant</li> <li>• <b>Other:</b> Check local regulations for specific requirements.</li> </ul>
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### SECTION 16. OTHER INFORMATION

This SDS has been developed based on the current knowledge of the chemical and serves as a basis for the safe management system by providing essential information on the hazards of this product to take necessary measures regarding protection, safety, health and the environment, enabling to act in accordance with Risk assessment. It is advised that the handling of any chemical substance requires prior knowledge of its hazards by the user. It is up to the user company to promote the training of its employees and contractors regarding the possible risks arising from the product.

The information contained in this document reflects the transcribed content of the document prepared by the manufacturer of the product, however, does not imply guarantees of any nature. Considering the variety of factors that may affect its processing or application, the information contained in this sheet does not exempt processors from the responsibility of running their own tests and experiments. The data and recommendations refer only to the designated product.

#### Acronyms:

ABNT: Associação Brasileira de Normas Técnicas

CAS: Chemical Abstracts Service

#### Bibliography

[1] ABNT – Associação Brasileira de Normas Técnicas - Ficha de informação de segurança de produtos químicos – FISPQ. NBR 14725/2023 – Corrected version 2024.

[2] INTERNATIONAL PROGRAMME ON CHEMICAL SAFETY (IPC). Available in: <<http://www.inchem.org/documents/jecfa/jecmono/v12je08.htm>>.

[3] TOXNET - TOXICOLOGY DATA NETWORKING. ChemIDplus Lite. Available in: <<http://chem.sis.nlm.nih.gov/>>.