



WHITE SESAME SEEDS

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	White Sesame Seeds
Other identification methods	White sesame, <i>Sesamum indicum</i> L., sesame seed.
Description	The white sesame seeds are the seeds obtained from the <i>Sesamum indicum</i> L. plant (Pedaliaceae family), one of the oldest oilseed crops cultivated by humankind, widely produced in tropical and subtropical regions of Africa, Asia and South America.
Recommended uses	This product is for industrial use. It is not intended for the end consumer.
Manufacturer/Supplier	CONCEPTA INGREDIENTES LTDA
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	emergencia@conceptaingredients.com

SECTION 2. HAZARDS IDENTIFICATION

Hazard classification of the substance or mixture	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.
Important Hazards	No significant hazards under normal use conditions.
Other Hazards	none
Product Effects	
Human healthy effects	No adverse effects are expected under recommended use. Warning: sesame is recognized as a major food allergen (see Section 15) and may cause allergic reactions in sensitized individuals.
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	Not applicable
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.
Appropriate labeling elements	
Pictograms	Not applicable
Warning word	Not applicable
Hazard phrases	Not applicable
Safety phrases	Not applicable
Additional Information	None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	White sesame seeds (<i>Sesamum indicum</i> L.)
Chemistry nature	Organic and vegetal nature



Is the chemical a substance or a mixture?	Neither. Seed of natural and organic origin.				
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	Concentration ¹	Classification According EU 1272/2008
NA	<i>Sesamum indicum</i> L. seed	-	-	A	Not classified as a hazardous substance

¹ 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 ₂)
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-flammable 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

• Personnel precautions

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.

• Environmental precautions

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.
--------------------------	--

• Cleaning methods

Procedures to be adopted	Ensure proper disposal of all cleaning materials in compliance with local regulations. Spill in soil: 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.
--------------------------	--



Spill in water: Immediately spill product into dikes. Notify ports and relevant authorities. Remove from surface with absorbent material. Use suitable dispersants according to local regulations

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.
Safe packing materials	
Recomended	Keep in the original packing or similar.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Parameters of specific control	
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.
Personal Protective Equipment appropriate	
Eye protection	Wear safety glasses with side protection.
Skin protection	Avoid contact with the skin. Wear rubber gloves.
Respiratory protection	Suggest general protection measures like using dust masks in specific cases of aerosol generation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (Appearance)	Solid
Color	Light beige to medium beige (creamy white).
Odor	Caracteristic.
Melting point/ freezing point	Not available
Boiling point/ boiling range	Not available
Flammability (solid, gas)	Not available
Upper and lower explosion limit	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	Not available
Viscosity (30°C)	Not available
Solubility(ies)	Not available
Partition coefficient: noctanol/water	Not available
Vapour Pressure	Not available
Specific gravity (Relative density)	Not available
Vapour density	Not available
Evaporation rate	Not available
Particle characteristics	Not available



SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable
Possibility of hazardous reactions	Stable
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.
Reactivity	Oxidation with atmospheric oxygen.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity	No acute toxicity effects are expected.
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 damage/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

General Ecology	According to the literature, there is no significant environmental risk. Biodegradable product.
Ecotoxicity	Not considered toxic to aquatic organisms under normal conditions.
Biodegradability	Biodegradable. Can naturally degrade in the environment.
Bioaccumulation	Low potential for bioaccumulation.
Soil mobility	Low mobility. The product is less dense than water and tends to remain on the surface. Insoluble in water.

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.
---	---

SECTION 14. TRANSPORT INFORMATION

• International Regulamentation

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
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code	- 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; - 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.
Special precautions	There is no need for special precautions

SECTION 15. REGULATORY INFORMATION

Specific regulations for the chemical products	The product complies with the following regulations: • ANVISA RDC 523/2022 – Regulation of industrial chemical substances. • IBAMA IN 13/2021 – Environmental impact assessment of chemical products. • CONAMA Resolution 005/1993 and NBR 10004/2004 – Classification of chemical waste. - ANVISA RDC No. 727/2022 – Mandatory allergen labeling. - Regulation (EU) No. 1169/2011, Annex II – Allergens. - FASTER Act (USA, 2021) – Sesame as the 9th major food allergen, effective 01/01/2023. - Codex Alimentarius CAC/GL 2-1985 (Rev. 2018) – Allergen labeling.
--	---

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/>.

[4] EUROPEAN PARLIAMENT RESEARCH SERVICE (EPRS). Recalls of sesame seed products due to pesticide residues. Brussels, 2021.

[5] U.S. FDA. Food Allergy Safety, Treatment, Education and Research (FASTER) Act of 2021.

[6] ANVISA. Resolution RDC No. 727, July 1, 2022 – Food allergen labeling requirements.