



SAFETY DATA SHEET

Product: COCONUT WAX SOLVEN

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1 - IDENTIFICATION

Identification of the product: COCONUT WAX SOLVEN

Recommended uses of chemical and usage restrictions: Mainly used in the manufacture of handmade candles, among other applications.

Supplier details: SOLVEN SOLVENTS AND CHEMICALS LTDA

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E-mail: solven@solven.com.br

Phone number of emergency: 0800 770 00 44 – UNYBRASIL

2 - HAZARD IDENTIFICATION

Classification of substance or mixture: Not classified as dangerous according to ABNT NBR 14725.

System of classification used: ABNT-NBR 14725 standard. Globally Harmonized System for the Classification and Labeling of Chemicals, UN.

GHS labeling elements including precautionary statements

Precautionary phrases: Wash your hands after handling the product.
Do not drink, eat or smoke while handling the product.
It is recommended to use appropriate PPE when handling the product.
Obtain product information before handling.
Store the product in a suitable place.
In case of emergency, proceed as indicated in SDS NBR 14725 (PT).

Other dangers that do not result in a classification: The product has no other hazards.

3 - COMPOSITION AND INFORMATION ON INGREDIENTS

MIXTURE COCONUT WAX SOLVEN

Ingredients, impurities and/or stabilizing additives that contribute to the hazard:

Product identifier	CAS/EC	Concentration range (%)
Palm kernel oil ¹	8023-79-8 232-425-4	35.0 - 65.0
Palm oil, hydrogenated ¹	68514-74-9 271-056-3	24.5 - 45.5
Coconut oil ¹	8001-31-8 232-282-8	10.5 - 19.5

¹ Ingredient not classified as hazardous by the classification system used.

4 - FIRST AID MEASURES

Inhalation: Remove the exposed person to a ventilated area.

Skin contact: Wash exposed skin with enough water to remove the product.

Eye Contact: Rinse cautiously with water for several minutes. If wearing contact lenses, remove them if easy. If eye irritation occurs: consult a doctor. Bring this document.

Ingestion: Rinse the exposed person's mouth with water. If you feel unwell, contact a MEDICAL CENTER.



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Ingestion: TOXICOLOGICAL INFORMATION or a doctor. Take this document with you.

Most important symptoms and effects, acute or delayed: No symptoms or effects are expected after exposure to the product.

Indication of immediate medical attention and special treatments required, if necessary: If necessary, provide symptomatic treatment.

5 - FIRE FIGHTING MEASURES

Extinguishing media: Suitable: carbon dioxide (CO₂), foam, water fog and dry chemical.
Unsuitable: direct water jets.

Specific hazards arising from the substance or mixture: Combustion of the product or its packaging can form irritating and toxic gases such as carbon monoxide and carbon dioxide.
Vapors may be denser than air and tend to collect in low or confined areas, such as manholes and basements. Containers may explode if heated.

Special protective measures for firefighting personnel: Wear positive pressure self-contained breathing apparatus (SCBA) and full protective clothing. Containers and tanks involved in the fire should be cooled with water mist.

6 - CONTROL MEASURES FOR SPILLS OR LEAKS

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Isolate the leak from sources of ignition. Stop the leak if this can be done without risk. Do not smoke. Avoid contact with the product. If necessary, use personal protective equipment as described in section 8.

For emergency service personnel: Use full PPE with safety glasses, safety gloves, suitable protective clothing and closed shoes. In the event of a leak, where exposure is high, the use of an appropriate respiratory protection mask is recommended.

Environmental precautions: Prevent spilled product from reaching watercourses and sewage systems.

Method and materials for containment and cleaning: Collect the product with a clean shovel or other instrument that will not disperse the product. Place the product in appropriate containers and remove them to a safe location. For final disposal, proceed as per Section 13 of this document.

7 - HANDLING AND STORAGE

Appropriate technical measures for handling

Precautions for safe handling: Handle in a well-ventilated area or with general ventilation/local exhaust system. Avoid dust formation. If necessary, use personal protective equipment as described in section 8. Avoid contact with incompatible materials.

Hygiene measures: Wash hands and face thoroughly after handling and before eating, drinking, smoking or using the toilet.

Conditions for safe storage, including any incompatibilities

Fire and explosion prevention: The product is not expected to present a fire or explosion hazard.



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Suitable conditions: Store in a well-ventilated place away from sunlight. Keep container closed.
No addition of stabilizers and antioxidants is necessary to ensure durability.
This product may react dangerously with some incompatible materials as highlighted in Section 10.

Suitable packaging materials: Keep away from incompatible materials.

Similar to original packaging.

Unsuitable packaging materials: No unsuitable materials are known.

8 - EXPOSURE CONTROL AND PERSONAL PROTECTION

Control parameters

Occupational exposure limit: Biological

No occupational exposure limits are established.

indicators: No biological exposure indicators are established.

Other limits and values: No other limits and values are established.

Engineering control measures: A risk assessment is recommended to define the engineering control measures necessary to eliminate or minimize the risk. These measures help reduce exposure to the product.

Personal protective measures

Eye/face protection: Protective glasses.

Skin protection: Closed shoes and suitable protective clothing. Suitable protective gloves.

Respiratory protection: A risk assessment must be carried out to adequately define respiratory protection taking into account the conditions of use of the material. Follow the guidance of the Respiratory Protection Program (PPR), Fundacentro.

Thermal hazards: It does not present thermal hazards.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.

Color: White.

Odor: Odorless.

Melting point/freezing point: 48.00 to 54.00 °C at 1.00 atm (101325.00 Pa).

Boiling point or initial boiling point and boiling range: Not available.

Flammability: Not available.

Lower and upper explosive/flammability limits: Not available.

Flash point: Upper: 7.00% and Lower: 0.60%.

Autoignition temperature: > 200.00 °C - Closed vessel.

Not available.



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Decomposition temperature: Not available.

pH: Not applicable.

Kinematic viscosity: Not available.

Solubility: Water solubility not available.

Partition coefficient – n-octanol/water (log Kow value): Not available.

Vapor pressure: Not available.

Density and/or relative density: Relative density: 0.66 to 0.68 (water at 4 °C = 1) at 20.00 °C.

Relative vapor density: Not available.

Particle characteristics: Not available.

Other information: Not applicable.

10 - STABILITY AND REACTIVITY

Reactivity: No reactivity is expected under normal temperature and pressure conditions.

Chemical stability: Stable under normal conditions of use. Does not undergo polymerization.

Possibility of dangerous reactions: - Palm kernel oil: Unsaturated fatty acids contained in palm kernel oil may be subject to auto-oxidation, which involves the formation of a hydroperoxide group adjacent to the double bond. This step proceeds via a free radical mechanism. Free radical formation can be triggered by light.

Conditions to avoid: High temperatures. Contact with incompatible materials.

Incompatible materials: Acids, oxidizing agents, hydrides, alkali metals, oxygen and alkaline solutions.

Hazardous decomposition products: No dangerous decomposition products are known.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity: Product not classified as acutely toxic by oral route.
Oral ETAm: > 5000 mg/kg.

Skin corrosion/irritation: Not expected to cause skin irritation.

Serious eye damage/eye irritation: Not expected to cause eye irritation.

Respiratory or skin sensitization: Not expected to cause respiratory or skin sensitization.

Germ cell mutagenicity: It is not expected to exhibit germ cell mutagenicity.

Carcinogenicity: Not expected to be carcinogenic.

Toxicity to reproduction: It is not expected to present reproductive toxicity.



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Specific target organ toxicity – single exposure: Specific target organ toxicity is not expected from single exposure.

Specific target organ toxicity – repeated exposure: Specific target organ toxicity is not expected through repeated exposure.

Aspiration Hazard: Not expected to present an aspiration hazard.

12 - ECOLOGICAL INFORMATION

Ecotoxicity: It is not expected to present ecotoxicity.

Persistence and degradability: The product is expected to be persistent and not rapidly degradable.

Potential bioaccumulative: It has low bioaccumulative potential in aquatic organisms.

Mobility in soil: Not determined.

Other effects adverse: No other environmental effects are known.

13 - CONSIDERATIONS ON FINAL DESTINATION

Recommended methods for final disposal

Product: Treatment and disposal must be assessed specifically for each product. They must be federal, state and municipal legislation was consulted, including: Law No. 12,305, of 02 August 2010 (National Solid Waste Policy).

Product remains: Keep any remaining product in its original packaging and properly closed. Disposal must be carried out as established for the product.

Packaging used: Do not reuse empty packaging. These may contain product residue and should be kept in a sealed container. closed and sent for appropriate disposal as established for the product.

14 - TRANSPORTATION INFORMATION

National and international regulations

Terrestrial: ANTT - National Land Transport Agency:
 • Resolution No. 5,998, of November 3, 2022: *Updates the Regulation for the Road Transportation of Dangerous Goods, approves its Supplementary Instructions, and gives other provisions.*

UN Number: Not classified as hazardous for land transport.

Danger to the Environment Environment: The product is not considered hazardous to the environment for land transport.

Waterway: DPC - Directorate of Ports and Coasts (Transportation in Brazilian waters). Authority Regulations Maritime:
 • NORMAM 201/DPC: Vessels Used in Navigation on the Open Sea.
 • NORMAM 202/DPC: Vessels Used in Inland Navigation.
 • NORMAM 321/DPC: Material Approval.

IMO - International Maritime Organization:
 • IMDG Code - International Maritime Dangerous Goods Code
 International Dangerous Goods Agency).

UN Number: Not classified as dangerous for water transport.

It is not considered a marine pollutant for transport.



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Danger to the Environment
Environment:

It is not considered a marine pollutant for transport.

Air:

ANAC - National Civil Aviation Agency: Resolution No. 714, of April 26, 2023. RBAC (Brazilian Civil Aviation Regulation) No. 175: • Transportation of Dangerous Goods in Civil Aircraft. • IS No. 175-001 - Supplementary Instruction.

ICAO (International Civil Aviation Organization):

- Doc 9284 AN/905 (Technical Instructions for the Safe Transport of Dangerous Goods) by Air).

IATA - *International Air Transport Association*: • DGR - *Dangerous Goods Regulation*.

UN Number:

Not classified as hazardous for air transport.

Danger to the Environment
Environment:

The product is not considered hazardous to the environment for air transport.

Specific precautionary measures and conditions:

Not applicable.

Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code:

Consult regulations:

- 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 1978 Protocol relating thereto, consolidated edition. IMO, London, 2006.
- International Maritime Organization: IBC Code: International Code for the Construction and Equipment of the Maritime Carriage of Dangerous Chemicals in Bulk: With Standards and Guidelines Relevant to the Code. IMO, London, 2007.

15 - INFORMATION ON REGULATIONS Regulations Federal Decree

No. 10,088, of November 5, 2019. specific to the ABNT-NBR 14725 Standard. chemical product:

Regulatory Standard No. 26 (Safety signage), of the Ministry of Labor and Employment.

16 - OTHER INFORMATION**Important information, but not specifically described in the previous sections:**

This document was prepared based on current knowledge about the appropriate handling of the product and under normal conditions of use, according to the application specified on the packaging. Any other form of use of the product that involves its combination with other materials, as well as forms of use other than those indicated, are the responsibility of the user. It is noted that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace, it is the responsibility of the company using the product to promote the training of its employees regarding the possible risks arising from exposure to the chemical product.

Subtitles and Abbreviations:

ACGIH - *American Conference of Governmental Industrial Hygienists*; CAS - *Chemical Abstracts Service* ; ETAm - *Acute Toxicity Estimate of the mixture*; NR

- *Regulatory Standard*; ONU - *United Nations*; PBT - *Persistent, bioaccumulative and toxic*.

Bibliographic references: ACGIH

- AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the

Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2024.

BRAZIL. MINISTRY OF LABOR AND EMPLOYMENT (MTE). Regulatory Standard (NR) No. 15: Activities and operations



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BRAZIL. MINISTRY OF LABOR AND EMPLOYMENT (MTE). Regulatory Standard (NR) No. 7: Control program occupational health physician. Brasília, DF. Jan. 2022.

GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 10th rev. ed. New York and Geneva: United Nations, 2023.