



SAFETY DATA SHEET

Product: SOLVEN WAX PLUS

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1 - IDENTIFICATION Product

identification: SOLVEN WAX PLUS

Recommended uses of the chemical and restrictions on use: Mainly used in the composition of anti-ozonant waxes, paraffin emulsions and chemical industries in general.

Supplier details: SOLVEN

SOLVENTES E QUÍMICOS LTDA **Address:** Rua Professora Abigail Alves Pires, 301 Hortolândia - SP -
Brazil.

, Farm Nova Boa Vista, ZIP Code: 13185-071 -

Telephone: (19) 3865-9500 **E-mail:** solven@solven.com.br 0800 770

Emergency telephone number: 00 44 – UNYBRASIL

2 - HAZARD IDENTIFICATION Classification

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

ABNT-NBR 14725 Standard System. Classification used: Globally

Harmonized System for 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 this document.

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

3 - COMPOSITION AND INFORMATION ON INGREDIENTS

SUBSTANCE SOLVEN WAX PLUS

Chemical identity: Paraffin waxes and hydrocarbon waxes.

Synonymous: Linear and Branched Chain Hydrocarbons from C21 to C44.

Registration number CAS: 8002-74-2

EC registration number: 232-315-6

Impurities and/or stabilizing additives that contribute to the hazard: It does not contain components that contribute to danger.

4 - FIRST AID MEASURES

Inhalation: Remove the exposed person to a ventilated area.



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Skin contact:	Wash exposed skin with sufficient water to remove material.
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:	Do not induce vomiting. Rinse the exposed person's mouth with water. If you feel unwell, contact a POISON CENTER or doctor. Bring this document with you.
Symptoms and further effects important, acute or late:	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 (CO ₂), foam, water fog and dry chemical. Unsuitable: direct water jets.
Specific hazards arising from the substance or mixture:	Combustion of the chemical or its packaging can form irritating and toxic gases such as carbon monoxide and carbon dioxide. Vapors can 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:	Do not smoke. Avoid contact with the product. If necessary, use personal protective equipment as described in section 8.
For emergency service personnel:	Preventatively isolate the leak from ignition sources. 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 material 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.



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Conditions for safe storage, including any incompatibilities

Fire and explosion prevention:	The product is not expected to present a fire or explosion hazard.
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:	The values below are applicable for work environments. ACGIH - TLV - TWA: 2 mg/m ³ .
Biological indicators:	No biological indicators of exposure are established.
Other limits and values:	No other limits and values are established.
Engineering control measures:	Provide mechanical ventilation and a direct exhaust system to the outside environment. These measures help reduce exposure to the product. Keep atmospheric concentrations of the material's constituents below the indicated occupational exposure limits.

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 flakes/tablets.
Color:	White.
Odor:	Odorless.
Melting point/freezing point:	60.00 °C.
Boiling point or initial boiling point and boiling range:	Not available.
Flammability:	Not available.



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Lower and upper explosive/
flammability limits: Not available.

Flash point: > 220.00 °C - Open vessel.

Autoignition
temperature: Not available.

Decomposition
temperature: Not available.

pH: Not applicable.

Kinematic viscosity: Not available.

Solubility: Insoluble in water. Solubilities: - In water: Insoluble / - In Toluene: approximately 14.5g/100g of toluene at 20 °C.

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

Vapor pressure: Not available.

Density and/or
relative density: Relative density: 0.79 (water at 4 °C = 1) at 80.00 °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: Product stable under normal temperature and pressure conditions.

Possibility of
dangerous reactions: Risk of explosion when in contact with nitrates and other strong oxidizing agents.

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

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition
products: No hazardous decomposition products are known.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity: Product not classified as acutely toxic by oral and dermal route.
Oral LD50 (rats): > 5000 mg/kg.
Dermal LD50 (rabbits): >2000 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.



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Germ cell mutagenicity:	It is not expected to exhibit germ cell mutagenicity.
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive toxicity: Specific	It is not expected to present reproductive toxicity.
target organ toxicity - single exposure: Specific	Specific target organ toxicity is not expected from single exposure.
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:	is not expected to present ecotoxicity.
Persistence and degradability:	Due to the lack of data, it is expected to be persistent and not rapidly degraded. Due to the lack of data, no bioaccumulative potential is expected in aquatic organisms.
Bioaccumulative potential:	
Mobility in soil:	Not determined.
Other adverse effects:	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. Federal, state and municipal legislation must be consulted, including: Law No. 12,305 of August 2, 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 must be kept 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: <i>Updates the Regulation for the Road Transportation of Dangerous Products, approves its Supplementary Instructions, and provides other measures.</i>
UN Number:	Not classified as dangerous for land transport.
Danger to the Environment:	The product is not considered hazardous to the environment for land transport.



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Waterway:	DPC - Directorate of Ports and Coasts (Transportation in Brazilian waters). Maritime Authority Standards: • 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 - <i>International Maritime Organization</i> : • IMDG Code - <i>International Maritime Dangerous Goods Code</i> .
UN Number:	Not classified as dangerous for water transport.
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 - <i>International Air Transport Association</i> : • DGR - <i>Dangerous Goods Regulation</i> .
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 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 warned that the handling of any chemical substance requires prior knowledge of its dangers 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*;



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CAS - *Chemical Abstracts Service*;
 LD50- Dose capable of causing the death of 50% of animals;
 EC - *European Community* ;
 EEC - *European Economic Community*;
 EPA - *United States Environmental Protection Agency*;
 IARC - *International Agency for Research on Cancer*;
 NIOSH - *National Institute for Occupational Safety and Health*;
 NR - *Regulatory Standard*;
 UN - *United Nations*;
 OSHA - *Occupational Safety & Health Administration*;
 PBT - *Persistent, bioaccumulative and toxic*;
 TLV - *Threshold Limit Value* ;
 TWA - *Time Weighted Average*.

Bibliographic references:

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL 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 unhealthy. Brasília, DF. Apr. 2022.

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

CONCAWE - HAZARD CLASSIFICATION AND LABELLING OF PETROLEUM SUBSTANCES IN THE EUROPEAN ECONOMIC AREA. Available at: <<https://www.concawe.eu/>>. Accessed: May 2025.

ECHA - EUROPEAN CHEMICAL AGENCY. Available at: <<http://echa.europa.eu/web/guest>>. Accessed: May 2025.

EPA - UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. Available at: <<https://www.epa.gov/>>. Accessed at: May 2025.

GESTIS - SUBSTANCE DATABASE. Available at: <<https://gestis-database.dguv.de/>>. Accessed: May 2025.

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

HSDB - HAZARDOUS SUBSTANCES DATA BANK. Available at: <<http://pubchem.ncbi.nlm.nih.gov/>>. Accessed on: May 2025.

IARC INTERNATIONAL AGENCY FOR RESEARCH ON CANCER. <<http://monographs.iarc.fr/ENG/Classification/index.php>>. Available in: Accessed on: May 2025.

NIOSH - NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY. International Chemical Safety Cards. Available at: <<http://www.cdc.gov/niosh/>>. Accessed: May 2025.

OSHA - OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION. UNITED STATES DEPARTMENT OF LABOR. <<https://www.osha.gov/chemicaldata/search>>. Accessed: May 2025.

REACH - REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS. Commission Regulation (EC) No 1272/2008 of December 2008 amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals. Available <[http://eur-lex.europa.eu/LexUriServ.uri=OJ:L:2008:353:0001:1355:en:PDF](http://eur-lex.europa.eu/LexUriServ.uri?uri=OJ:L:2008:353:0001:1355:en:PDF)>. Accessed: May 2025.



In accordance with ABNT NBR 14725

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