

SAFETY DATA SHEET

Product: JIMO Secante Abrilhantador

Revision: 04

Date: 03/04/2024

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1 - IDENTIFICATION

GHS Product identifier:	JIMO Secante Abrilhantador
Other means of identification:	90696
Recommended use of the chemical:	Saneante.
Specific restrictions on use:	There are not known restrictions on use.
Supplier's details:	Jimo Química Industrial Ltda. Address: Rua Ítalo Raffo 693 - Distrito Industrial, CEP: 94930-240 - RS - Brasil. Phone number: +55 51 3470 67 55 Email: jimo@jimo.com.br
Emergency phone number:	+55 51 3470 67 55 / 0800 051 41 46

2 - HAZARD IDENTIFICATION

Classification of the substance or mixture:	Flammable Liquids - Category 3; Acute Toxicity - Inhalation - Category 4; Serious eye damage/eye irritation - Category 2A.
Classification system adopted:	Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.

GHS label elements, including precautionary statements

Pictograms:



Signal word:	WARNING
Hazard statement(s):	H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H332 Harmful if inhaled.
Precautionary statement(s):	PREVENTION: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical, ventilating and lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 + P265 Wash hands thoroughly after handling. Do not touch eyes. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves, protective clothing, eye protection, face protection and hearing protection. RESPONSE TO EMERGENCY: P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse

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affected areas with water [or shower].
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 Get medical help.
P337 + P317 If eye irritation persists: Get medical help.
P370 + P378 In case of fire: Use carbon dioxide (CO₂), foam, water mist and dry chemical powder to extinguish.

STORAGE:

P403 + P235 Store in a well-ventilated place. Keep cool.

DISPOSITION:

P501 Dispose of contents and container in accordance with local regulations.

Other hazards which do not result in classification: The product does not have other hazards.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

Components contributing to the hazard:	Ethyl alcohol (CAS 64-17-5): 10 - 15 %; Nonylphenol 9.5 EO (CAS 9016-45-9): 1 - 5 %.
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4 - FIRST-AID MEASURES

Description of necessary first-aid measures

Inhalation:	Remove the victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or doctor. Take this MSDS.
Skin:	IN CASE OF CONTACT WITH SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water or take a shower. Take this MSDS.
Eye:	Rinse thoroughly with water for several minutes. In case of contact lenses, remove them, if it is easy. If eye irritation persists: consult a doctor. Take this MSDS.
Ingestion:	Wash the victim's mouth with water. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or doctor. Take this MSDS.
Most important symptoms/effects, acute and delayed:	Causes serious eye irritation with redness and pain. Harmful if inhaled.
Indication of immediate medical attention and special treatment needed, if necessary:	Avoid contact with the product while helping the victim. If necessary, symptomatic treatment must include, specially, support measures to correct electrolyte, metabolic disorders, and respiratory care. In case of contact with the skin does not rub the affected area.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:	Appropriate: carbon dioxide (CO ₂), foam, water mist and dry chemical powder. Inappropriate: water directly onto the burning material.
Specific hazards arising from the chemical:	The combustion of the chemical or its packaging may form toxic and irritant gases such as carbon monoxide and carbon dioxide. Very dangerous when exposed to excessive heat or other sources of ignition such as open flames,

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sparks or open flames from matches and cigarettes, welding operations, pilot lamps and electric motors. Can accumulate static charge by flow or agitation. They can travel long distances causing retrogression of the flame or new fires both in open environments such as confined. Containers may explode if heated.

Special protective actions for fire-fighters: respiratory protection equipment standalone type (SCBA) with positive pressure and full protective clothing. Containers and tanks involved in the fire should be cooled with water fog.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Isolate the leak sources of ignition. Prevent sparks or flames. Do not smoke. Do not touch damaged containers or spilled material without the use of appropriate clothing. Use personal protective equipment as described in Section 8.

For emergency responders: Wear complete PPE with safety glasses, safety gloves, suitable protective clothing and closed shoes. In case of leakage, where exposure is high, it is recommended to use a suitable respiratory protection mask.

Environmental precautions: Prevent spilled material reaches waterways or sewage system.

Methods and materials for containment and cleaning up: Use water mist or vapor suppressing foam to reduce the dispersion of the product. Use natural barriers or spill containment. Collect the spilled product and place in suitable containers. Adsorbs the remaining product dried with sand, vermiculite or other inert material. Place the adsorbed material into suitable containers and remove them to a safe place. For disposal proceed pursuant to Section 13 of this MSDS.

Large leaks: Mist water can be used to reduce vapor, but this will not prevent ignition indoors.

7 - HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling: Handle in a ventilated area or general ventilation system / local exhaust ventilation. Avoid formation of vapors or mists. Avoid breathing the product in case of formation of vapors or mists. Inspect containers for damage or leaks before handling them. Avoid contact with incompatible materials. Use electrical equipment, ventilation and explosion-proof lighting. Wear protective gloves, protective clothing, eye protection, face protection as specified in Section 8.

General hygiene: Wash your hands before eating, drinking, smoking or using the toilet. Contaminated clothing should be changed and washed before reuse.

Conditions for safe storage, including any incompatibilities

Technical measures for prevention of fire and explosion: Keep away from heat, sparks, open flames and hot surfaces. - Do not smoke. Keep container tightly closed. Ground the container vessel and the product receiver during transfer. Only use anti-sparking tools. Avoid the accumulation of electrostatic charges.

Conditions for safe storage, including any incompatibilities: Store in ventilated and protected from heat location. Keep away from incompatible materials. Keep stored at room temperature not exceeding 35 ° C. It is not necessary addition of stabilizers and antioxidants to ensure the durability. Keep away from incompatible materials.

Packaging compatibilities: Similar to the original packaging.

Inadequate packaging materials: There are not known unsuitable material.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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Control parameters

Occupational exposure limit:	The values below apply to workplaces. - <u>Ethyl alcohol</u> : OSHA - PEL - TWA: 1000 ppm (1900 mg/m ³) (29 CFR 1910.1000 Table Z-1) (CFR); NIOSH - REL - TWA: 1000 ppm (1900 mg/m ³); ACGIH - TLV - STEL: 1000 ppm. CFR: See mentioned item in OSHA CFR.
Biological limit:	Not established.
Other limits and values:	Not established.
Appropriate engineering controls:	Promote direct mechanical ventilation and exhaust system to the outside environment. These measures help reduce exposure to product. Maintain atmospheric concentrations of the constituents of the material below occupational exposure limits indicated.
Individual protection measures, such as personal protective equipment (PPE)	
Eye/face protection:	Safety glass side shields.
Skin protection:	Define the use of skin and body protection based on workplace risk assessment. Appropriate protective gloves.
Respiratory protection:	A risk assessment should be performed for proper definition of respiratory protection, in view of the material use conditions.
Thermal hazards:	Does not present thermal hazards.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Aspect:	Liquid.
Color:	Not available.
Odour:	Not available.
Melting point/freezing point:	Not available.
Boiling point or initial boiling point and boiling range:	78.4 °C (173.12 °F).
Flammability:	Flammable.
Lower and upper explosion limit/flammability limit:	Not available.
Flash point:	47 °C (116.6 °F) - Closed cup.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
pH:	6 to 7.5.
Kinematic viscosity:	Not available.

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Solubility(ies): Miscible in water.

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

Vapour pressure: Not available.

Relative vapour density: Not available.

Density and/or relative density: Relative density: 0.97 to 1.05 at 20 °C (68 °F).

Particle characteristics: Not applicable.

Other information: Not applicable.

10 - STABILITY AND REACTIVITY

Reactivity: Reactivity is not to be expected under normal conditions of temperature and pressure.

Chemical stability: Product is stable under normal conditions of temperature and pressure.

Possibility of hazardous reactions: There are not known hazardous reactions with the material.

Conditions to avoid: Temperaturas elevadas. Fontes de ignição. Contato com materiais incompatíveis. Contact with incompatible materials.

Incompatible material: Strong acids, strong base and strong oxidizing agents.

Hazardous decomposition products: Não são conhecidos produtos perigosos da decomposição.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity: Product not classified as acute toxic by oral and dermal. Harmful if inhaled.
ATEmix Dusts and mists (4h): 1,150 mg/L.
ATEmix Oral: > 5000 mg/kg.
ATEmix Dermal: > 5000 mg/kg.

Information regarding to:
- Nonylphenol 9,5 EO:
LC₅₀ Dusts and mists (rats, 4h): 1.15 mg/L.

Skin corrosion/irritation: It is not expected to cause skin irritation.

Serious eye damage/irritation: Causes serious eye irritation with redness and pain.

Respiratory or skin sensitization: It is not expected to present respiratory or skin sensitization.

Germ cell mutagenicity: It is not expected to show mutagenicity in germ cells.

Carcinogenicity: It is not expected to be carcinogenic.

Reproductive toxicity: It is not expected to be reproductively toxic.

STOT - Single: It is not expected to exhibit specific target organ toxicity by single exposure.

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exposure:

STOT - Repeated exposure: It is not expected to exhibit specific target organ toxicity on repeated exposure.

exposure:

Aspiration hazard: It is not expected to present an aspiration hazard.

12 - ECOLOGICAL INFORMATION

Toxicity: It is not expected to be ecotoxic.

Persistence and degradability: It has persistence and is not considered rapidly degradable.

Information regarding to:

- Ethyl alcohol:

Low degradation and high persistence are expected.

Bioaccumulative potential: Presents low bioaccumulative potencial in aquatic organisms.

Information regarding to:

- Ethyl alcohol:

log K_{ow} : 0.31

- Nonylphenol 9,5 EO:

BCF: 5 to 48

log K_{ow} : 2.1 to 3.4.

Mobility in soil: Not determined.

Other adverse effects: No other environmental effects known.

13 - DISPOSAL CONSIDERATIONS

Disposal methods

Treatment and disposal should be evaluated specifically for each product. federal, state and local laws should be consulted, among them: Law No. 12.305 of 02 August 2010 (National Policy on Solid Waste).

Keep the product remains in its original packaging and properly closed. Disposal should be carried out as established for the product.

14 - TRANSPORT INFORMATION

Road: UN - United Nations: Model Regulations:
• Recommendations on the Transport of Dangerous Goods.

UN number: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Ethylic alcohol)

Primary risk class or division: 3

Subsidiary risk class or division: NA

Packing group: III

Railway regulations: COTIF - Convention concerning International Carriage by Rail:
• Appendix C: RID - Regulations concerning the International Carriage of Dangerous Goods by Rail.

UN number: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Ethylic alcohol)

In accordance with Globally Harmonized System of
Classification and Labelling of Chemicals (GHS)- Chapter 1.5
and Annex 4

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Primary risk class or
division: 3

Subsidiary risk class or
division: NA

Packing group: III

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

UN number: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Ethylic alcohol)

Primary risk class or
division: 3

Subsidiary risk class or
division: NA

Packing group: III

EmS: F-E, S-E

Environmental hazards: It's not considered a marine pollutant for transportation.

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

UN number: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Ethylic alcohol)

Primary risk class or
division: 3

Subsidiary risk class or
division: NA

Packing group: III

Special precautions for
user: Not applicable.

15 - REGULATORY INFORMATION

Federal Decree No. 2657 of 3 July 1998.
Ordinance No. 229, of May 24, 2011 - Changes to Regulatory Standard 26
ABNT-NBR 14725: 2012.

16 - OTHER INFORMATION

This MSDS was prepared based on current knowledge about the proper handling of the product under normal conditions of use, according to the application specified on the packaging. Any other use of the product involving its combination with other materials, as well as ways to use several of those mentioned, are the user's responsibility. Warns is that the handling of any chemical substance requires prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its employees as the possible risks arising from exposure to chemical.

Change control:

In accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS)- Chapter 1.5 and Annex 4

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Version	Manufacture date	Changes
04	02/19/2020	Change in composition. Change in section: 2, 7, 10, 11 and 12.

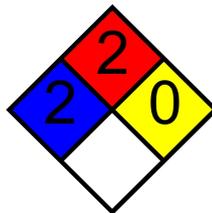
Classification of the substance or mixture: Health: 2
Flammability: 2
Instability: 0

Classification system adopted: Hommel Diagram - National Fire Protection Association: NFPA 704

Classification of the substance or mixture: Health: 3
Flammability: 2
Physical Hazard: 0

Classification system adopted: National Paint & Coatings Association: NPCA

NFPA 704:



HMIS:

HEALTH	/	3
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

Abbreviations:

ACGIH - American Conference of Governmental Industrial Hygienists;
ATEmix - Acute Toxicity Estimate of the mixture;
BCF - Bioconcentration factor;
CAS - Chemical Abstracts Service;
EC - European Community;
EEC - European Economic Community;
 K_{ow} - Octanol-water partition coefficient;
LC₅₀ - Lethal Concentration 50%;
NIOSH - National Institute for Occupational Safety and Health;
OSHA - Occupational Safety & Health Administration;
PEL - Permissible Exposure Limit;
REL - Recommended Exposure Limit;
STEL - Short Term Exposure Limit;
TLV - Threshold Limit Value;
TWA - Time Weighted Average;
UN - United Nations.

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, 2023.

Desde 1956



SDS

In accordance with Globally Harmonized System of
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and Annex 4

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

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 at: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2008:353:0001:1355:en:PDF> >. Access in: Feb. 2020.