

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

SAFETY DATA SHEET

Product: JIMO Água Repelente 700

Revision: 02

Date: 10/05/2023

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1 - IDENTIFICATION

GHS Product identifier: JIMO Água Repelente 700

Other means of identification: 97665

Recommended use of the chemical: Water repellent.

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: Skin Corrosion/Irritation - Category 3;
Hazardous to the Aquatic Environment - Acute Hazard - Category 3.

Classification system adopted: Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.

GHS label elements, including precautionary statements

Pictograms: Not applicable.

Signal word: WARNING

Hazard statement(s): H316 Causes mild skin irritation.
H402 Harmful to aquatic life.

Precautionary statement(s): **PREVENTION:**
P273 Avoid release to the environment.

RESPONSE TO EMERGENCY:

P332 + P317 If skin irritation occurs: Get medical help.

DISPOSITION:

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

Other hazards which do not result in classification: The material has no other hazards.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

Components contributing to the hazard: Isothiazolinone (CAS Not applicable): 0.01 - 1 %.

4 - FIRST-AID MEASURES

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Description of necessary first-aid measures

Inhalation:	Remove the victim to a ventilated area and keep him at rest in a position that does not make breathing difficult. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Take this document.
Skin:	Wash exposed skin with sufficient water to remove the material. Remove and isolate contaminated clothing and shoes. In case of skin irritation: Consult a doctor. Take this document.
Eye:	Rinse carefully with water for several minutes. If you use contact lenses, remove them if it is easy. Keep rinsing. If eye irritation persists: consult a doctor. Take this document.
Ingestion:	Do not induce vomiting. Never give anything orally to an unconscious person. Rinse the victim's mouth with plenty of water. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Take this document.
Most important symptoms/effects, acute and delayed:	Causes mild skin irritation with redness and dryness.
Indication of immediate medical attention and special treatment needed, if necessary:	Avoid contact with the material when helping the victim. If necessary, symptomatic treatment should include, above all, supportive measures such as correction of hydro electrolytic and metabolic disorders and respiratory assistance. In case of skin contact, do not rub the affected area.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:	Appropriate: carbon dioxide (CO ₂), foam, water mist and powder. Inappropriate: water jet directly.
Specific hazards arising from the chemical:	The combustion of the chemical product or its packaging can form irritating and toxic gases such as carbon monoxide and dioxide. Vapors can be denser than air and tend to accumulate in low-lying or confined areas such as storm drains and basements. Containers may explode if heated.
Special protective actions for fire-fighters:	Use self-contained respiratory protection equipment (SCBA) with positive pressure and complete protective clothing. Containers and tanks involved in the fire must be cooled with water mist.

6 - ACCIDENTAL RELEASE MEASURES

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 responders:	Preventively isolate the leak from ignition sources.
Environmental precautions:	Avoid that the spilled material reaches waterways or sewage system.
Methods and materials for containment and cleaning up:	Use water mist or vapor suppressant foam to reduce vapor dispersion. Use natural or spill containment barriers. Collect spilled product and place in appropriate containers. Adsorb the remaining product with dry sand, earth, vermiculite, or any other inert material. Place the adsorbed material in appropriate containers and remove them to a safe location. Use non-sparking tools to collect absorbed material.

7 - HANDLING AND STORAGE

Precautions for safe handling

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

General hygiene: Wash your hands and face thoroughly after handling and before eating, drinking, smoking or using the bathroom.

Conditions for safe storage, including any incompatibilities

Technical measures for prevention of fire and explosion: It is not expected that the material presents a fire or explosion hazard.

Conditions for safe storage, including any incompatibilities: Store in a dry, well-ventilated place away from sunlight. Keep the container closed. 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

Control parameters

Occupational exposure limit: Not established.

Biological limit: Not established.

Other limits and values: Not established.

Appropriate engineering controls: Provide mechanical ventilation and a direct exhaust system to the outside environment. These measures help reduce exposure to the product.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection: Safety glasses.

Skin protection: Closed shoes and suitable protective clothing. 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: It does not present thermal hazards.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Aspect: Liquid.

Color: White.

Odour: Characteristic.

Melting point/freezing point: Not available.

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

Flammability: Not flammable.

Lower and upper Not available.

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explosion limit/flammability limit:	
Flash point:	Not applicable.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
pH:	5 to 7.
Kinematic viscosity:	Not available.
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: 0.95 to 1.05.
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 stable under normal temperature and pressure conditions.
Possibility of hazardous reactions:	There are not known hazardous reactions with the material.
Conditions to avoid:	Elevated temperatures. Contact with incompatible materials.
Incompatible material:	Strong Oxidizing agents.
Hazardous decomposition products:	There are no known hazardous decomposition products.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	Product not classified as acute toxic by inhalation. ATEmix Vapours (4h): > 20 mg/L.
Skin corrosion/irritation:	Causes mild skin irritation with redness and dryness.
Serious eye damage/irritation:	It is not expected to cause eye irritation.
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.

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Reproductive toxicity:	It is not expected to be reproductively toxic.
STOT - Single exposure:	It is not expected to exhibit specific target organ toxicity by single exposure.
STOT - Repeated exposure:	It is not expected to exhibit specific target organ toxicity on repeated exposure.
Aspiration hazard:	It is not expected to present an aspiration hazard.

12 - ECOLOGICAL INFORMATION

Toxicity:	Harmful to aquatic life.
	Information regarding to: - <u>Isothiazolinone</u> : EC ₅₀ (Daphnia sp, 48 h): 16 mg/L; LC ₅₀ (Fish, 96 h): 19 mg/L.
Persistence and degradability:	It is expected that the product presents persistence and it is not considered readily biodegradable.
Bioaccumulative potential:	Presents low bioaccumulative potential in aquatic organisms.
Mobility in soil:	Not determined.
Other adverse effects:	No other environmental effects known.

13 - DISPOSAL CONSIDERATIONS

Disposal methods

Must be disposed of as hazardous waste in compliance with local regulations. The treatment and disposal should be evaluated for each specific material.
Keep the material remains in its original and properly closed containers. Disposal should be performed as established for the material.

14 - TRANSPORT INFORMATION

Road:	UN - United Nations: Model Regulations: <ul style="list-style-type: none"> • Recommendations on the Transport of Dangerous Goods.
UN number:	Not classified as hazardous for the road transportation.
Railway regulations:	COTIF - Convention concerning International Carriage by Rail: <ul style="list-style-type: none"> • Appendix C: RID - Regulations concerning the International Carriage of Dangerous Goods by Rail.
UN number:	Not classified as dangerous for rail transport.
Sea:	IMO - International Maritime Organization: <ul style="list-style-type: none"> • IMDG Code - International Maritime Dangerous Goods Code.
UN number:	Not classified as hazardous for water transportation.
Environmental hazards:	It's not considered a marine pollutant for transportation.
Air:	IATA - International Air Transport Association: <ul style="list-style-type: none"> • DGR - Dangerous Goods Regulation.
UN number:	Not classified as dangerous for air transport.

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Special precautions for user: Not applicable.

15 - REGULATORY INFORMATION

Federal Decree No. 10,088, of November 5, 2019;
ABNT-NBR 14725 standard;
Regulatory Standard nº 26 (Safety signs), from the Ministry of Labor and Social Security.

16 - OTHER INFORMATION

This document was prepared based on current knowledge on 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, in addition to forms of use other than those indicated, is the responsibility of the user. Please note that handling any chemical substance requires prior knowledge of its dangers by the user. In the workplace, it is up to the company using the product to train its employees regarding possible risks arising from exposure to the chemical product.

Change control:

Version	Manufacture date	Changes
02	10/05/2023	Change in section: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16.

Classification of the substance or mixture: Health: 1
Flammability: 1
Instability: 0

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

Classification of the substance or mixture: Health: 1
Flammability: 0
Physical Hazard: 0

Classification system adopted: National Paint & Coatings Association: NPCA

NFPA 704:



HMIS:

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

Abbreviations:

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ACGIH - American Conference of Governmental Industrial Hygienists;
ATEmix - Acute Toxicity Estimate of the mixture;
CAS - Chemical Abstracts Service;
EC - European Community;
EC₅₀ - Effective concentration of substance that causes 50 % of the maximum response;
EEC - European Economic Community;
LC₅₀ - Lethal Concentration 50%;
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.

GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 9th rev. ed. New York: United Nations, 2021.

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: Oct. 2023.