



## MATERIAL SAFETY DATA SHEET

### ALOE VERA GEL 20X – ORGANIC

*Raw material sourced from certified organic cultivation*

PRODUCT CODE SG020

ISSUE DATE: 01/01/2025 REVISION DATE: 01/03/2025

In accordance with Regulation (EC) No 1907/2006 (REACH), Art. 31 and subsequent updates

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade Name	Aloe Vera Gel 20:1 – Organic
Synonyms	Organic Aloe Vera Gel 20X
EC Number	-
CAS Number	Multiple CAS numbers (see Technical Data Sheet)
REACH Registration Number	-
Relevant Identified Uses	Ingredients for food, cosmetics, and nutraceuticals
Uses Advised Against	-
Manufacturer/Supplier	Sinaloina SA de CV
Address	Real de Zimapán 430 Villas del Parque Querétaro Querétaro 76140
Phone	-
Email	info@sinaloina.com
Emergency Number	1-800-424-9300

#### SECTION 2: Hazards identification

Classification of the Substance or Mixture	No information. The mixture does not contain substances presenting a health or environmental hazard within the meaning of Regulation (EC) No 1272/2008. <i>For the full text of Hazard- and EU Hazard statements, see SECTION 16.</i>
Hazard Pictograms	No information. The mixture does not contain substances presenting a health or environmental hazard within the meaning of Regulation (EC) No 1272/2008.
Signal Word	No information. The mixture does not contain substances presenting a health or environmental hazard within the meaning of Regulation (EC) No 1272/2008.
Precautionary Statements	No information. The mixture does not contain substances presenting a health or environmental hazard within the meaning of Regulation (EC) No 1272/2008.
Adverse Physicochemical Effects	Information not available.
Adverse Human Health Effects and Symptoms	Information not available. When used properly, the product is safe and tolerable in accordance with the legal provisions (Article 3 of the EC Cosmetics



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### Adverse Environmental Effects

Regulation). Any other hazard information applies to inadvertent misuse or accidents.

Information is not available. When used properly, the product is safe and tolerable in accordance with the legal provisions (Article 3 of the EC Cosmetics Regulation). Any other hazard information applies to inadvertent misuse or accidents.


### Other Adverse Hazards

Based on the available data, the product does not contain PBT or vPvB substances in concentrations  $\geq 0.1\%$ .

Based on the available data, no substances have been identified as endocrine disruptors in accordance with Regulation (EU) 2017/2100 and Regulation (EU) 2018/605.

## SECTION 3: Composition and information on ingredients

The product does not contain substances classified as hazardous to health or the environment under the provisions of Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and adaptations) in quantities that would require declaration.

Citric Acid	<p><b>Concentration in the mixture:</b> <math>1.5 \leq x &lt; 2\%</math></p> <p><b>CAS Number:</b> 77-92-9</p> <p><b>EC Number:</b> 201-069-1</p> <p><b>INDEX Number:</b> (not specified)</p> <p><b>REACH Registration:</b> 01-2119457026-42</p> <p><b>Hazard Classification:</b></p> <ul style="list-style-type: none"><li>•  <b>Eye Irrit. 2 (H319)</b> → Causes eye irritation, Category 2</li><li>• <b>STOT SE 3 (H335)</b> → May cause respiratory irritation (Specific Target Organ Toxicity - Single Exposure, Category 3)</li></ul>
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## SECTION 4: First Aid Measures

### General Notes

When contact with the product, use or handling, causes symptoms requiring prompt aid, follow the directives below for the specific exposure route.

### Following Inhalation

In case of inhalation, the affected person should be moved into fresh air and kept still. If breathing is difficult, consult a doctor.

### Following Skin Contact

Remove contaminated, saturated clothing immediately. Wash thoroughly the body (shower or bath). When in doubt or if symptoms are observed, get medical advice.

### Following Eye Contact

Remove contact lenses. After contact with the eyes, rinse with water with the eyelids open for a sufficient



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length of time, then consult an ophthalmologist immediately.

### Following Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting when the affected person is unconscious.

### Self-Protection of the First Aider

No particular information.

### Symptoms

See Section 11 (Toxicological information)

### Effects

See Section 11 (Toxicological information)

### Notes for the Doctor

Information is not available.

### Special Treatment

Information is not available.

## SECTION 5: Firefighting Measures

### Suitable Extinguishing Media

Carbon dioxide, foam, powder, water mist.

### Unsuitable Extinguishing Media

No particular media.

### Hazardous Combustion Products

However, avoid breathing combustion products.

### Advice for Firefighters

Cool containers with water to avoid possible decomposition of the product and formation of potential hazardous substances. Wear full protection equipment available. When possible, collect extinguishing water and avoid contamination of surface water or drains.

### Equipment for Firefighters

Standard firefighting gear, such as a self-contained open circuit compressed air breathing apparatus (EN 137), flame-resistant suit (EN 469), flame-resistant gloves (EN 659), and firefighter boots (HO A29 or A30).

## SECTION 6: Accidental Release Measures

### For non-emergency personnel

Wear suitable protection equipment (see also Section 8 of the SDS) to avoid inhalation, contact with the skin and eyes and contamination of clothes.

### For Emergency Responders

Wear suitable protection equipment (see also Section 8 of the SDS) to avoid inhalation, contact with the skin and eyes and contamination of clothes.

### Environmental Precautions

Do not allow them to enter surface water or drains.

### For Containment

Collect products with mechanical devices (if product is flammable use only antistatically equipped spark-free tools) and store in suitable containers for disposal.



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Check compatibility of the containers to collect product (see also Section 10 of the SDS).

Use inert absorbent material (sand, vermiculite, diatomaceous earth, etc.) to soak up leaked product. Collect most of the remaining material and store it in suitable containers for disposal. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions of Section 13.

### For Cleaning Up

### Other Information

No particular information

### Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

## SECTION 7: Handling and Storage

### General protective measures

Handle products after consultation of all other sections of this SDS. Avoid product dispersion. When using it do not eat, drink, smoke, or sniff. Avoid improper contact with skin and eyes and inhalation. If the product is flammable provide adequate earthing of containers, equipment, pumps and ventilation facilities.

### Measures To Prevent Fire

### Measures To Prevent Aerosol and Dust Generation

No particular information

### Measures To Protect the Environment

Avoid product dispersion, keep containers well closed.

### Advice On General Occupational Hygiene

When using it, do not eat, drink, smoke, or sniff. Remove clothes when contaminated. Wash hands before breaks and after work.

### Technical Measures and Storage Conditions

Store in a fresh place, not under direct sunlight and, if product is flammable, keep away from fire and sources of ignition.

### Packaging Materials

Store in original containers; replace the closing cap. If the product is moved to other containers, label them the same way as the original packages.

### Requirements For Storage Rooms and Vessels

Store in a well aired and fresh place. If the product is flammable, keep away from fire and sources of ignition. If incompatible materials are listed in Section 10 of this SDS, keep them far from this product.

### Recommendations

No particular information

### Industrial Sector Specific Solutions

No particular information

## SECTION 8: Exposure Controls/Personal Protection

<b>Exposure Control</b>	Since the use of appropriate technical measures should always take priority over personal protective equipment, ensure good workplace ventilation through effective local exhaust.
<b>Biological limit values</b>	Information not available
<b>Exposure limits at intended use</b>	Information not available
<b>DNEL/PNEC-values</b>	<p><b>Citric Acid:</b></p> <ul style="list-style-type: none"> <li>• <b>Freshwater reference value:</b> 440 mg/L</li> <li>• <b>Sediment reference value in freshwater:</b> 34.6 mg/kg</li> <li>• <b>Sediment reference value in seawater:</b> 3.46 mg/kg</li> <li>• <b>Soil compartment reference value:</b> 33.1 mg/kg</li> </ul>
<b>Risk management measures according to used control banding approach</b>	It is recommended to use a P-type filtering face mask, with the class (1, 2, or 3) and actual necessity to be determined based on the results of the risk assessment (ref. EN 149 standard).
<b>Environmental Exposure Controls</b>	Emissions from production processes, including those from ventilation equipment, should be controlled to ensure compliance with environmental protection regulations.
<b>Hand protection</b>	Protect hands with Category III work gloves (ref. EN 374 standard). When selecting the final glove material, consider compatibility, degradation, breakthrough time, and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be tested before use, as it is not always predictable. Gloves have a wear time that depends on duration and usage conditions.
<b>Skin protection</b>	Wear long-sleeved work clothing and Category I professional safety footwear (ref. Regulation 2016/425 and EN ISO 20344 standard). Wash with water and soap after removing protective clothing.
<b>Eye protection</b>	It is recommended to wear sealed protective goggles (ref. EN 166 standard).
<b>Respiratory protection</b>	If the threshold limit value (e.g., TLV-TWA) of the substance or any of the substances in the product is exceeded, it is recommended to wear a mask with a type A filter, with the class (1, 2, or 3) chosen according to the usage concentration limit (ref. EN 14387 standard). If gases or vapors of different nature and/or gases or vapors with particles (aerosols, fumes, mists,

etc.) are present, combined filters should be used. The use of respiratory protective equipment is necessary if the technical measures adopted are not sufficient to limit worker exposure to the considered threshold values. The protection provided by masks is still limited. If the substance is odorless or its odor threshold is higher than its TLV-TWA and in case of emergency, wear a self-contained open-circuit compressed air breathing apparatus (ref. EN 137 standard) or an external air supply respirator (ref. EN 138 standard). For the correct selection of respiratory protective equipment, refer to the EN 529 standard.

## SECTION 9: Physical and Chemical Properties

<b>Appearance</b>	Clear solution
<b>Odor</b>	Characteristics of Aloe Vera
<b>pH</b>	3.5 – 4.2
<b>Aloin (A Y B)</b>	< 0.5 ppm
<b>Melting point/freezing point</b>	Not available
<b>Initial boiling point</b>	Not available
<b>Boiling range</b>	Not available
<b>Flash point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper flammability</b>	Not available
<b>Lower flammability</b>	Not available
<b>Upper explosivity</b>	Not available
<b>Lower explosivity</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility</b>	Soluble in water/Insoluble in Organic solvents
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Explosive properties</b>	Not available
<b>Oxidizing properties</b>	Not available

## SECTION 10: Stability and Reactivity

### Reactivity

No reaction hazards with other chemicals at normal use and storage conditions.

### Chemical Stability

The product is stable under normal use and storage conditions.

### Possibility Of Hazardous Reactions

Under normal conditions of use and storage, hazardous reactions are not expected.



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### Conditions To Avoid

Avoid the formation of dust

### Incompatible Materials

Strong bases  
Oxidizing agents

### Hazardous Decomposition Products

In case of fire or high temperatures, hazardous toxic vapors may form.

## SECTION 11: Toxicological Information

### Acute toxicity

#### Citric Acid:

- **LD50 (Dermal):** > 2000 mg/kg (rat).
- **LD50 (Oral):** 11700 mg/kg (rat), OECD 401.

### Skin corrosion/irritation

#### Citric Acid

- **Species:** Rabbit.
- **Result:** No skin irritation.
- **Method:** OECD Test Guideline 404.
- **Note:** May cause skin irritation in predisposed individuals.

### Serious eye damage/irritation

#### Citric Acid

- **Species:** Rabbit.
- **Result:** eye irritation.
- **Method:** OECD Test Guideline 405.

### Respiratory or skin sensitization

Does not meet the classification criteria for this hazard class.

### Germ cell mutagenicity

#### Citric Acid

##### In vitro Genotoxicity:

- **Test type:** Reverse mutation assay.
- **Test system:** Salmonella typhimurium.
- **Concentration:** 0 - 5000 µg/plate.
- **Method:** Mutagenicity (Salmonella typhimurium – Ames test).
- **Result:** Negative.
- **Test type:** Micronucleus test.
- **Test system:** Human lymphocytes.
- **Concentration:** 50, 100, 200, 3000 µg/ml.
- **Method:** Mutagenicity (mammalian: in vitro cytogenetic assay).
- **Result:** Positive.

##### In vivo Genotoxicity:

- **Test type:** Chromosome aberration test.
- **Species:** Rat.
- **Cell type:** Bone marrow.
- **Application method:** Oral.
- **Doses:** 0.3 mg/kg bw.
- **Method:** OECD Test Guideline 475.
- **Result:** Negative.

### Carcinogenicity

Does not meet the classification criteria for this hazard class.

### Reproductive toxicity

Does not meet the classification criteria for this hazard class.

### Summary of evaluation of the CMR properties

Does not meet the classification criteria for this hazard class.

#### STOT-single exposure

#### Citric Acid

- The substance or mixture is classified as a specific target organ toxicant (single exposure), category 3, causing respiratory tract irritation.
- Target Organs: Respiratory system.
- Route of Exposure: Inhalation.

#### STOT-repeated exposure

#### Citric Acid

- Repeated Dose Toxicity:
- Species: Rat.
- NOAEL: 4000 mg/kg.
- LOAEL: 8000 mg/kg.
- Application method: Oral.
- Exposure duration: 10 days.
- Doses: 2, 4, 8, 16 g/kg bw/day.

#### Aspiration hazard

Does not meet the classification criteria for this hazard class.

#### Endocrine disrupting properties

Does not meet the classification criteria for this hazard class.

#### Other information

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under evaluation.

## SECTION 12: Ecological Information

*Use products following good working practice. Take measures to prevent the release of the substance or mixture to the environment, such as avoiding spills or keeping away from drains.*

#### Acute (short-term) toxicity

Information not available

#### Chronic (long-term) toxicity

Information not available

#### Abiotic degradation

Information not available

#### Physical- and photo-chemical elimination

Information not available

#### Biodegradation

Information not available

#### Partition coefficient n-octanol/water

Information not available

#### Bioconcentration factor (BCF)

Information not available

#### Known or predicted distribution to environmental compartments

Information not available

#### Surface tension

Information not available

#### Adsorption/Desorption

Information not available

#### Results of PBT and VPVB Assessment

Based on the available data, the product does not contain PBT or vPvB substances in a percentage  $\geq 0.1\%$ .





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### Endocrine Disrupting Properties

Based on the available data, the product does not contain substances identified as endocrine disruptors in accordance with Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 in concentrations  $\geq 0.1\%$ .

### Other Adverse Effects

Information not available

## SECTION 13: Disposal Considerations

### Product/Packaging disposal

Reuse when possible; neat cosmetic products residues are generally considered special non-hazardous waste. Disposal must be carried out by an authorized waste management company, in compliance with current national and local regulations. Contaminated packages must be delivered for reuse or disposal by an authorized waste management company.

### Waste treatment-relevant information

Waste treatment must be generally performed by an authorized waste management company, in compliance with current national and local regulations.

### Sewage disposal-relevant information

Waste treatment must be generally performed by an authorized waste management company, in compliance with current national and local regulations.

### Other disposal recommendations

No particular information

## SECTION 14: Transport Information

*This section of the safety data sheet shall provide basic classification information for the transport/shipment of substances or mixtures mentioned in Section 1 by road, rail, sea, inland waterways or air. Where such information is not available or relevant this shall be stated. Where relevant, this section shall provide information on the transport classification for each of the following international agreements which are transposing the UN Model Regulations for specific transport modes: the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), the Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) and the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN), all three of which have been implemented by Directive 2008/68/EC of the European Parliament and of the Council, as well as the International Maritime Dangerous Goods (IMDG) Code for the transport of packaged goods and the relevant IMO codes for the transport of bulk cargo by sea, and the Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO).*

	US DOT	ADR	IMDG	ICAO
UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard class	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	Not regulated	Not regulated	Not regulated	Not regulated
Special Precautions for Users	Not regulated	Not regulated	Not regulated	Not regulated
Maritime Transport in Bulk	Not regulated	Not regulated	Not regulated	Not regulated

## SECTION 15: Regulatory Information

Complies with Regulation (EU) 2015/830 and Regulation (EC) No 1272/2008 (CLP).

## SECTION 16: Other Information

Prepared by: SINALOINA

Date of Printing: 1 March 2025

**ABBREVIATIONS AND ACRONYMS:**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS Number: Chemical Abstract Service Number
- EC Number: The identification number in the EC Inventory of Chemicals
- CLP: EC Regulation 2008/1272
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Global Harmonised System for the classification and labelling of chemical products
- IATA DGR: Dangerous Goods Regulations for the transport of dangerous goods by the International Air Transport Association
- IC50: The Concentration 50% is a measure of the effectiveness of a substance in inhibiting a specific biological or biochemical function
- ICAO: echnical Instructions for the Safe Transport of Dangerous Goods by Air
- IMDG: International Maritime Dangerous Goods Code for the transportation or shipment of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in the Annex VI of CLP
- LC50: Letal concentration 50%
- LD50: Letal dose 50%
- OEL: Occupational Exposure Level
- REACH : EC Regulation 2006/1907
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
- VOC: Volatile Organic Compound
- vPvB: very Persistent and very Bioaccumulative (REACH)

**SOURCES:**

- EU Regulation 2006/1907 (REACH)
- EU Regulation 2008/1272 (CLP)
- EU Regulation 2009/790 (I CLP Atp)
- EU Regulation 2011/286 (II CLP Atp)
- EU Regulation 2012/618 (III CLP Atp)
- EU Regulation 2013/487 (IV CLP Atp)
- EU Regulation 2013/944 (V CLP Atp)
- EU Regulation 2014/605 (VI CLP Atp)
- EU Regulation 2015/1221 (VII CLP Atp)
- EU Regulation 2015/830
- EU Regulation 2016/918 (VIII CLP Atp)
- EU Regulation 2016/1179 (IX CLP Atp)
- EU Regulation 2017/776
- EU Regulation 2018/669
- EU Regulation 2018/1480
- EU Regulation 2020/1182
- EU Regulation 2021/849
- EU Regulation 2020/878 (Reach)
- Web site of ECHA Agency

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