



Safety Data Sheet (SDS)

Product: Vitro 150° Retarder.

Date of last revision 27/02/2019	Number of last revision: 2	SDS Nº 64	Page 1 of 5
--	--------------------------------------	---------------------	-----------------------

1. Identification

Product identifier: Vitro 150° Retarder.

Recommended use of the chemical: Indicated to delay the drying time of the paint Vitro 150°.

Identification Code: 19010

Supplier's name: Acrilex Tintas Especiais S.A.

Address: Estrada Galvão Bueno, Nº 5000 - Batistini

Complement: São Bernardo do Campo - São Paulo

Supplier's phone number: (11) 4397-9255

Emergency phone number: (11) 4397-9258

2. Hazard identification

Classification of the substance or mixture: Chemical not classified as hazardous according to GHS

Precautionary recommendations: This product is not recommended for children under 3 years.

Other information: Use in the ratio of one part of the Retarder to ten parts of Vitro 150°.

3. Composition/Information on ingredients

Product Type: Mixture

This mixture does not contain ingredients or impurities that contribute to its hazard.

4. First-aid measures

First-aid measures

- **Inhalation:** Remove the victim to fresh air and keep at rest in a comfortable position for breathing. Seek for medical assistance.
- **Skin contact:** Remove contaminated clothing, wash with water and soap. Seek for medical assistance.
- **Eye contact:** Wash with plenty water for 15 minutes, keep the eyelids open. Seek for medical assistance.
- **Ingestion:** Do NOT induce vomiting. Seek for medical assistance.

Most important symptoms/effects, acute and delayed: Product not classified as hazardous for human health.

Indication of immediate medical attention and special treatment: Symptomatic treatment.

5. Fire-fighting measures

Suitable extinguishing media: Foam extinguishers, dry chemical, CO₂ (carbon dioxide) , water spray. Cool packaging under the action of fire , and remove those that were not met away from the flames

Unsuitable extinguishing media: Direct water jet.



Safety Data Sheet (SDS)

Product: Vitro 150° Retarder.

Date of last revision 27/02/2019	Number of last revision: 2	SDS N° 64	Page 2 of 5
-------------------------------------	-------------------------------	--------------	----------------

Specific hazards arising from the chemical: It may release toxic gases during the burning.

Special protective actions for fire-fighters: Use self-contained clothing and adequate protection.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel:** Personal protective equipment.
- **For emergency responders:** Personal protective equipment.

Environmental precautions: Avoid contamination of rivers, lakes and water sources, leaving the material flow into waterways, pipelines and galleries

Methods and materials for containment: Absorb with soil or other absorbent material.

Area isolation: Keep unauthorized persons away from the area.

Methods and materials for cleaning up: The cleaning of the place should be made with water and mild detergent. Collect the material in metallic / plastic drums and in good conditions. Disposal must be performed according to the local legislation in force.

7. Handling and storage

Precautions for safe handling

- **Prevention of workers exposure:** Handle in accordance with established safety standards. Use personal protective equipment.
- **Fire and explosion:** Non flammable
- **Precautions for safe handling:** Use appropriate personal protective equipment. Avoid contact with skin, eyes and mucous membranes. Handle the product in a cool and well ventilated place. Do not reuse the package. Do not smoke, eat or drink in the product handling area.
- **Hygiene measures**
 - **Suitable:** Wash your hands before eating, drinking or using the toilet. Contaminated clothes should be changed and washed before reuse.
 - **Unsuitable:** Do not eat, drink or smoke during the product handling.

Conditions for safe storage

- **Conditions for safe storage:** Store the product in cool, dry and ventilated areas away from heat, ignition sources, food and oxidizing agents. Keep packages always closed.
- **Conditions to avoid including incompatibilities:** Avoid wet areas, outdoor, and without ventilation. Do not store the product with explosive materials, flammable gases and/or toxic, oxidizing substances, corrosive, organic peroxides, spontaneous combustion materials and radioactive Conditions to avoid, including materials.
- **Packaging materials**
 - **Suitable:** Metallic drums coated internally with varnish and/or plastic containers.
 - **Unsuitable:** Not Available.



Product: Vitro 150° Retarder.

Date of last revision 27/02/2019	Number of last revision: 2	SDS N° 64	Page 3 of 5
--	--------------------------------------	---------------------	-----------------------

Other information: Not Available.

8. Exposure controls/personal protection

Control parameters

- **Occupational exposure limits:** Not Available.
- **Biological indicators values:** Not Available.
- **Other limits and values:** Not Available.

Appropriate engineering controls: Maintain adequate ventilation. Keep emergency shower and eye shower close to workplaces.

Individual protection measures, such as personal protective equipment

- **Eye/face protection:** Safety glasses for chemical products.
- **Skin protection:** Gloves, PVC apron and closed shoes according to working conditions.
- **Respiratory protection:** Mask with chemical filter for organic vapor protection.
- **Hands protection:** PVC gloves or others resistant to organic solvents.
- **Thermal hazards:** Not available.

Other information: Not Available.

9. Physical and chemical properties

- **Appearance**
Physical state: Liquid.; **Form:** Pasty.; **Color:** Colorless
- **Odour:** Typical.
- **Odour threshold:** Not available.
- **pH:** 7,00 - 7,50
- **Melting point/freezing point:** - 60 °C
- **Initial boiling point:** 184 °C
- **Boiling range:** 184 - 188 °C
- **Flash point:** 109 °C Test: (closed cup)
- **Evaporation rate:** 0,01 (Butyl Acetate = 1)
- **Flammability (solid, gas):** Not available.
- **Lower flammability or explosive limits:** 2,4 % vol
- **Upper flammability or explosive limits:** 11,4 % vol
- **Vapour pressure:** < 0,01 mmHg Test: 25°C
- **Vapour density:** 2,6 (air=1)
- **Relative density:** 1,04 g/cm³
- **Solubility(ies):** water-soluble.



Product: Vitro 150° Retarder.

Date of last revision 27/02/2019	Number of last revision: 2	SDS N° 64	Page 4 of 5
--	--------------------------------------	---------------------	-----------------------

- **Partition coefficient: n-octanol/water:** -0,92 log Kow
- **Auto-ignition temperature:** 371 °C
- **Decomposition temperature:** Not available.
- **Viscosity:** 10 - 19 seconds Test: CF4

10. Stability and reactivity

Chemical stability: Stable in normal conditions of storage and handling.

Reactivity: Not available.

Possibility of hazardous reactions: None, when the product is stored, handled and processed correctly.

Conditions to avoid: Exposure to high temperatures for prolonged periods may cause changes in the product.

Incompatible materials: Not available.

Hazardous decomposition products: Not available.

11. Toxicological information

Acute toxicity: The product is not classified for this hazard according to GHS.

Skin corrosion/irritation: The product is not classified for this hazard according to GHS.

Serious eye damage/irritation: The product is not classified for this hazard according to GHS.

Respiratory or skin sensitization: The product is not classified for this hazard according to GHS.

Germ cell mutagenicity: The product is not classified for this hazard according to GHS.

Carcinogenicity: The product is not classified for this hazard according to GHS.

Reproductive toxicity: The product is not classified for this hazard according to GHS.

STOT-single exposure: The product is not classified for this hazard according to GHS.

STOT-repeated exposure: The product is not classified for this hazard according to GHS.

Aspiration hazard: The product is not classified for this hazard according to GHS.

Additional information: Not available.

12. Ecological information

Toxicity: The product is not classified for this hazard according to GHS.

Persistence and degradability: Biodegradable Product

Bio accumulative potential: It is not expected that the product has potential bioacumulativo.log Kow : < 1,5

Mobility in soil: Product miscible in water , it is expected mobility in soil

Other adverse effects: Product miscible in water. Avoid contamination of rivers, lakes and water sources preventing the flow of material into waterways, pipelines and galleries.

13. Disposal considerations



Safety Data Sheet (SDS)

Product: Vitro 150° Retarder.

Date of last revision 27/02/2019	Number of last revision: 2	SDS N° 64	Page 5 of 5
--	--------------------------------------	---------------------	-----------------------

Disposal methods

- **Product:** The treatment and disposal of the product should be technically evaluated, case by case. Remaining products must be discarded in authorized installation.
- **Used package:** Do not reuse packaging

14. Transport information

National and international regulations:

Land Transport:

Technical name: Vitro 150° Retarder.

Additional information: The characteristics of the product does not meet the official criteria of dangerous goods for purposes of transportation.

15. Regulatory information

Safety, health and environmental regulations specific for the product:

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

16. Other information

Other information that does not belong in other sections:

This Safety Data Sheet (SDS) has been prepared based on current knowledge about chemicals and provides information about protection, safety, health and environment. It is warned that any chemical handling requires prior knowledge of its hazards by the user. The user company is responsible to promote the training of its employees about the potential product risks.

References: [ECHA] EUROPEAN CHEMICAL AGENCY. Available in: <http://echa.europa.eu/>
[HSNO] NEW ZEALAND HSNO Chemical Classification and Information Database (CCID)
[OSHA] OSHA'S Hazard Communication. Available in: <https://www.osha.gov/dsg/hazcom/>
[GHS] Globally Harmonized System of Classification and Labelling of Chemicals

Subtitles and abbreviations: ACGIH - American Conference of Governmental Industrial

BCF - Bioconcentration factor

CAS - Chemical Abstracts Service