

 Construcril	<h1 style="margin: 0;">MSDS</h1> <p style="margin: 0;">MATERIAL SAFETY DATA SHEET FOR CHEMICAL PRODUCT</p>	<p style="margin: 0;">Product: Chapix Elaboration: 07/Ago/2013 Last Review: AGO/2013 Pág. 1/5</p>
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PRODUCT AND COMPANY IDENTIFICATION

Product Name: Construcril Chapix
Company Name: Construcril Indústria e Comércio Ltda
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COMPOSITION AND INFORMATION ON INGREDIENTS

Product Type: Liquid

CHEMICAL NAME	CAS NUMBER	CONCENTRATION RANGE. (%)	SYMBOL	FRASES R
RES. EMULS. ACRIL. (SÓLID)	NA	04 A 10	NA	NA

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HAZARDS IDENTIFICATION

Non flammable product.
 Product contains no hazardous material.
 Handling in accordance with proper hygiene and safety practices.
 Like every product should not be handled by people who have not been properly trained and oriented.

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FIRST AID MEASURES

Inhalation:

If symptoms occur, move person immediately away from exposure, bring to fresh air. If the person is not breathing, apply cardiopulmonary resuscitation maneuvers (mouth-to-mouth resuscitation). Seek immediate medical help.

Skin Contact:

Remove contaminated clothing; wash the affected area with plenty of soap and water. Seek medical attention if irritation or other symptoms occur.

Eye Contact:

Flush eyes with plenty of water for at least 15 minutes, holding eyelids open. Seek medical attention immediately.

Ingestion:

Do not induce vomiting. If the victim is unconscious and vomiting occurs spontaneously, lay on the side and keep at rest. Seek immediate medical help.

Protection of first aid provider:

In the case of major accidents the relief provider must have all the necessary IPE. Remove contaminated clothing.

Appropriate extinction media:

Dry chemical, carbon dioxide or foam. Although less effective, water mist can also be used in firefighting. Furthermore, water mist can be used for the cooling of the packaging.

Non-appropriate extinction methods: Water jet

Specific hazards: Not detected.

Special methods: Not detected.

Firemen protection: Use appropriate personal protection and preferably a self-contained breathing apparatus.

Personal precautions:

Removal of ignition sources: Non-flammable product, which does not require special care, but it's advisable to turn off energized equipment or networks if they are in contact with the product.

Dust control: Not necessary since it is a pasty product.

Prevention against inhalation, contact with skin, eyes and mucous membranes: Ventilate the area, avoid contact with skin, eyes and mucous membranes.

Use the recommended personal protective equipment.

Precautions concerning the environment:

In case of spillage of significant amounts of product, remove it with inert absorbent material (sand, vermiculite, etc.). Prevent the product from getting in contact with soil and/or water bodies.

Alarm systems:

In case of water contamination, notify to the competent authorities.

Cleaning method:

Disposal: Dispose of the residue in industrial or sanitary landfill as local legislation in force.

Prevention against secondary hazards:

Packaging must not be reused and its disposal or recycling must be in compliance with the local regulations in force.

Handling:**Technical measures**

Prevention against worker exposure: Handle the product in well-ventilated area with the appropriate personal protective equipment (see section 8). Do not throw or drop the containers with the product.

Tightly close the container when not in use. After using the product, carefully wash your hands before eating food, smoking or any physiological needs.

Prevention against fire and explosion: It does not require special care since it is not flammable or explosive.

Precautions for safe handling: Use the recommended personal protective equipment

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Guidelines for safe handling:

- Avoid the contact with skin, eyes and mucous membranes.
- Handle in a cool, airy place.
- Do not reuse the packaging.
- Do not smoke, eat or drink in the product handling area.

Storage:

Appropriate technical measures: keep containers tightly closed, protected from the cold and intense heat. Do not store near food. Keep out of reach of children.

Appropriate storage conditions: sheltered, cool, dry and ventilated areas.

Avoid: freezing the product since it may result in clotting and subsequent destruction. The presence of drain or other forms of draining in the storage area which can lead spillage to sewers and/or watercourses.

Incompatible products and materials: do not store with corrosive and/or toxic products, organic peroxides, spontaneous combustion and radioactive materials. Do not store with substances which may violently react with water.

Recommended safe materials for packaging: plastic packaging and cardboard casks.

Incompatible products and materials: Do not store with corrosive and / or toxic products, organic peroxides, spontaneous combustion materials and radioactive materials. Do not store with substances that may react violently with water.

Safe materials for recommended packaging: Plastic or cardboard containers.

8**EXPOSURE CONTROL AND PERSONAL PROTECTION****Engineering controls:**

The environment in which the product is applied must be well ventilated, keeping windows and doors open to air circulation. Indoors environments must be provided with exhaust system. If it is not possible to provide natural or forced ventilation, use breathing mask with filter.

Personal protective equipment:

Respiratory protection: Use breathing mask with filter. When sanding the applied surface, the appropriate mask must be used to filter the dust.

Hand protection: Use latex gloves.

Eye protection: Wear suitable protective glasses.

Skin and body protection: Wear clothing that protects the skin, preventing the body from getting in contact with the product.

9**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Liquid

Color: White

Odor: Characteristic

pH: 8.0 - 10.0

Density: 1.0

Specific temperatures or ranges in which occur physical state changes

Flashpoint: Not applicable, water based product.

Explosive limits: Not applicable, water based product.

Solubility: Emulsifiable in water.

10**STABILITY AND REACTIVITY**

Instability: Under ordinary conditions of storage and use, the product is stable.

Hazardous reactions: There shall be no dangerous reactions if the product is appropriately stored, handled and processed.

Conditions to avoid: High or very low temperatures may destabilize the product.

Incompatible materials or substances: Products which react with water.

Hazardous decomposition products: The combustion produces harmful gases such as CO, CO₂ and NO_x.

11**TOXICOLOGICAL INFORMATION**

Exposure Effects:

Acute toxicity: Not available.

Local effects: May cause irritation.

Sensitivity: May cause irritation.

12**ECOLOGICAL INFORMATION**

Mobility: All measures should be taken in compliance with the requirements of local environmental agencies.

Persistence/Degradability: Product not totally degradable.

Environmental impact: Product partially soluble in water.

13**CONSIDERATIONS ON TREATMENT AND DISPOSAL**

Treatment and disposal methods

Product: Co-processing, thermal decomposition or industrial landfill, in compliance with the local regulations in force. Do not dispose of this product into sewers, rivers, lakes and springs.

Product waste: Wastes must be disposed of in compliance with the local regulations in force.

Used packaging: Packaging must not be reused.

14**TRANSPORT INFORMATION**

National and international recommendations

Terrestrial:

UN: Not applicable.

Hazard Class: Not applicable.

Hazard Number: Not applicable.

Packaging group: Not applicable.

Proper Shipping Name: PRODUCT IS NOT CLASSIFIED AS DANGEROUS CARGO

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Maritime:

IMDG/GGVSea/UN: Not applicable.

Hazard Class: Not applicable.

Packaging group: Not applicable.

Proper Shipping Name: PRODUCT IS NOT CLASSIFIED AS DANGEROUS CARGO.

Air:

UN: Not applicable.

Hazard Class: Not applicable.

Packaging group: Not applicable.

Proper Shipping Name: PRODUCT IS NOT CLASSIFIED AS DANGEROUS CARGO

15**REGULATION**

State Ordinance no. 3214 of the Ministry of Labour and its Regulatory Standard no. 15. Regulatory Standard NR 7 - Occupational Health Medical Control Program (biological indicators).

Resolution no. 420 dated 02.12.2004 of the National Land Transportation Agency - ANTT (Regulation of Land Transport of Dangerous Goods).

IMDG (International Maritime Dangerous Goods) Code, 1998 (Dangerous Goods Classification for Maritime Transport).

Reglamentación on mercancías Peligrosas IATA (International Aerial Transport Association) 41.ed. (Classification of dangerous goods for air transport).

Regulatory Standard no. 20 of the Ministry of Labor (classification of combustible and flammable liquids).

Ministry of Labor (classification of combustible and flammable liquids).

16**OTHER INFORMATION**

Note: The information contained herein is based on known experience and expertise; we assume no responsibility that the information is sufficient or correct in all circumstances. Users should consider these data only as a supplement to other information gathered by them, taking into account the considerations of all possible sources in order to ensure proper use and disposal of these materials, the safety and health of its employees and customers and the protection of the environment. The data in this data sheet refer exclusively to the referred material and cannot be extended to use in combination with any other material or any process. Data contained in this document may change without previous notice.