

VALUE CHAIN

The production at Oxiteno is performed in 12 industrial units located in Brazil, United States, Mexico, Uruguay and Venezuela. Know our main technologies involved in the company's production processes, such as Alkylation, Distillation of Renewable Solvents, Esterification, Hydrogenation of Mineral Oils, Oleochemical, Petrochemical and Sulfation. The infographic shows these processes from the input of raw materials to the development of solutions and their applications in industrial and consumer products to meet the needs of the society in different segments: Agrochemical, Personal Care, Home Care and I&I, Paints and Coatings, Oil and Gas and Performance Products.

Customized solutions

All production processes are aligned with Oxiteno's innovation strategy. To do that, the company counts with modern laboratories of research and development of high-performance products and chemical solutions. This increases the competitiveness of its clients and allows improvement for people's lives. Also, the company has partnerships with universities, research institutions, vendors and clients to develop new products and technologies.

Sugar cane plantation

The fusel oil is a byproduct of sugar cane refineries and serves as renewable raw material for the isopentyl alcohol.

Fusel oil

DISTILLATION OF RENEWABLE SOLVENTS

MAUÁ (BRAZIL)

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PREPARED BY: Global Sustainability
 SUPPORT: Global External Communication, Global Internal Communication, Global Marketing, Global Procurement, Planning Mercosur and Research & Development
 DEVELOPMENT: Quintal 22 and Adesign

OLEOCHEMICAL

CAMAÇARI (BRAZIL)

PKO

The raw material comes by ship from Malaysia and Indonesia.

Inputs: Fatty alcohol, Glycerin, Fatty acid

Outputs:

- AGROCHEMICALS: Fungicides, Herbicides, Insecticides, Tank mix adjuvants
- PERSONAL CARE: Conditioners, Creams and lotions, Liquid soaps, Shampoos, Toothpaste
- HOME CARE AND I&I: Detergent
- PERFORMANCE PRODUCTS: Additives, Food, Pharmaceuticals

ESTERIFICATION

Inputs: Oleic acid, Soybean fatty acid, Refined soybean oil, Coconut fatty acid, Sorbitol

Outputs:

- AGROCHEMICALS: Fungicides, Herbicides, Insecticides, Tank mix adjuvants
- PAINTS AND COATINGS: Emulsions, Property
- PERSONAL CARE: Creams and lotions
- PERFORMANCE PRODUCTS: Food
- OIL AND GAS: Lubricants

Locations: GUADALAJARA (MEXICO), SUZANO (BRAZIL), TREMEMBÉ (BRAZIL)

PETROCHEMICAL

Inputs: Oxygen, Water, Ethylene, Ammonia, Butene

Outputs:

- AGROCHEMICALS: Foliar fertilizer, Herbicides
- OIL AND GAS: Gas dehydrator, Hydrate inhibitor
- PAINTS AND COATINGS: Adhesive, Automotive, Industrial, Printing, Property
- PERSONAL CARE: Fragrances and scents
- PERFORMANCE PRODUCTS: Brake fluid, Civil construction, Pharmaceuticals, Plastics, Resin, Textile industry

Locations: CAMAÇARI (BRAZIL), MAUÁ (BRAZIL), TRIUNFO (BRAZIL)

SULFATION/ SULFONATION

Inputs: Air, Water, Sulfur, Linear alkylbenzene

Outputs:

- Sulfated fatty alcohol
- Sulfated ethoxylate fatty alcohol
- Sulfonated linear alkylbenzene

Locations: TREMEMBÉ (BRAZIL), SUZANO (BRAZIL), MONTEVIDEO (URUGUAY), SAN JUAN DEL RÍO (MEXICO)

ALKOXYLATION

Inputs: Fatty alcohol, Fatty acid, Fatty amine, Phenols, Propene oxide, Sodium bisulfite, Ethylene oxide, Synthetic alcohol, Vegetable oils

Outputs:

- Ethoxylate synthetic alcohol
- Sodium isethionate
- Ethoxylate fatty esters
- Ethoxylate fatty amine
- Propoxylates
- Ethoxylate vegetable oil
- Ethoxylate fatty acid
- Mixtures
- Ethoxylate fatty alcohol
- Ethoxylate alkylphenols
- Polyethylene glycols

Locations: PASADENA (USA), GUADALAJARA (MEXICO), COATZACOALCOS (MEXICO), SANTA RITA (VENEZUELA), MAUÁ (BRAZIL), CAMAÇARI (BRAZIL)

HYDROGENATION OF MINERAL OILS

Inputs: Raw mineral oils, Paraffin

Outputs:

- White mineral oils
- Vaseline

Location: CAMAÇARI (BRAZIL)

AGROCHEMICALS

- Fungicides
- Herbicides
- Insecticides
- Tank mix adjuvants

PERSONAL CARE

- Conditioners
- Creams and lotions
- Shampoos
- Soaps
- Liquid soaps

HOME CARE AND I&I

- All-purpose cleaners
- Detergent
- Floor waxes
- Softeners
- Waxes for automobiles

PAINTS AND COATINGS

- Adhesive
- Automotive
- Industrial
- Printing
- Property

OIL AND GAS

- Corrosion inhibitors
- Demulsifiers
- Flowback aids

PERFORMANCE PRODUCTS

- Emulsions
- Foams
- Leathers
- Textile

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- Fungicides
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