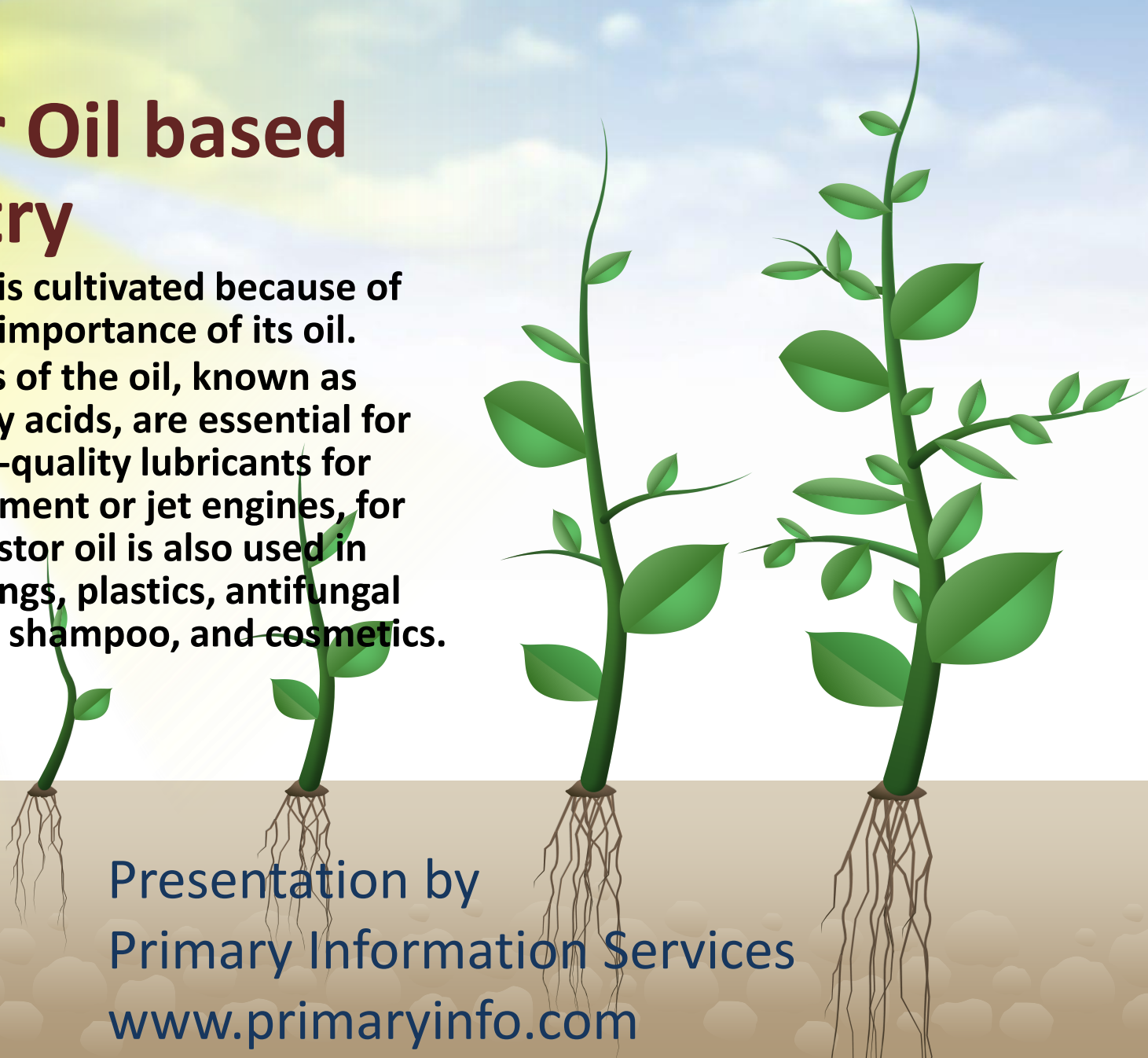


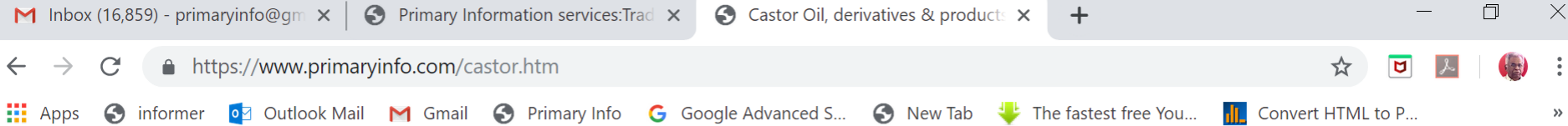
Castor Oil based Industry

Castor seed is cultivated because of commercial importance of its oil. Components of the oil, known as hydroxy fatty acids, are essential for making high-quality lubricants for heavy equipment or jet engines, for example. Castor oil is also used in paints, coatings, plastics, antifungal compounds, shampoo, and cosmetics.



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The primary sources of Castor Oil are from India, China and Brazil. Scientific and historical records reveal that regardless of origin, the chemical nature and composition are remarkable uniform.

India produces about 800,000 tons annually, and accounts for over 60% of the entire global production. Castor seed is cultivated because of commercial importance of its oil.

India is also the biggest exporter of castor oil. It corners about 70% of the global castor oil trade. Components of the oil, known as hydroxy fatty acids, are essential for making high-quality lubricants for heavy equipment or jet engines, for example. Castor oil is also used in paints, coatings, plastics, antifungal compounds, shampoo, and

Project Information

- Project proposal for castor oil derivatives
- Project expansion: Synthetic organic chemicals derived from Castor oil
- Project Consultancy
- Project Guide
- Hydrogenated Castor Oil

Scenario in India

- Castor Seed Oil , India
- Project Outline for Castor Oil Derivatives
- Castor Project Consultants
- Major Companies



About Castor & Products

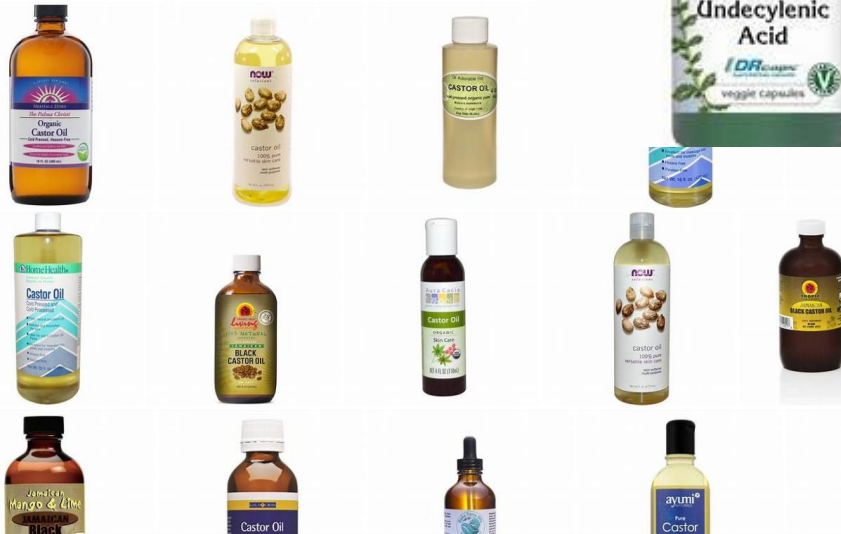


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- **Castor Oil** is extracted from castor seeds
- **Undecylenic Acid** is produced by the pyrolysis of castor oil.
- **Hydrogenated castor oil**
produced by adding hydrogen in the presence of a nickel catalyst
- **12-hydroxy Stearic acid** is the mixed fatty acid recovered by hydrolysis of hydrogenated castor oil with high melting point.
- **Hydrolysis of castor oil yields Ricin oleic Acid**

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Project at a Glance

- Castor oil is a vegetable oil obtained from the castor bean (technically castor seed as the castor plant, *Ricinus communis* (Euphorbiaceae), is not a member of the bean family).
- Castor oil (CAS number 8001-79-4) is a colorless to very pale

Contents on the CD Rom

General

- Castor Oil
- Industry reference
- Induce Labour
- Old Time Remedies

Suppliers

- Manufacturers of Castor Oil
- Suppliers of Castor Oil
- Exporters of Castor Oil
- Castor Oil Suppliers
- Castor Oil Exporettrs

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Hydrogenated castor oil

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Glance

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- Hydrogenated castor oil (HCO) or castor wax is a hard, brittle wax that is insoluble.
- The HCO is insoluble in

General Information & Process

- Castor Oil, Hydrogenated
- Spilling the Beans About

Application

- Castor oil derivatives for agrochemicals
- Fatty Acids, Lithium &

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Project at a Glance

- Undecylenic / Undecenoic Acid is an organic unsaturated fatty acid derived from natural castor oil. It is the common name of the undecenoic acid (CH₂CH(CH₂)₈COOH).
- A white or very pale yellow, crystalline mass or colourless or pale yellow liquid, practically

Contents on the CD Rom

- #### Introduction
- Castor Oil Derived Acids
 - Undecylenic Acid Description
 - Undecylenic acid topical
 - Undecylenic Acid
 - Undecenoic acid - Properties
 - Undecylenic Acid - Acidum undecylenicum

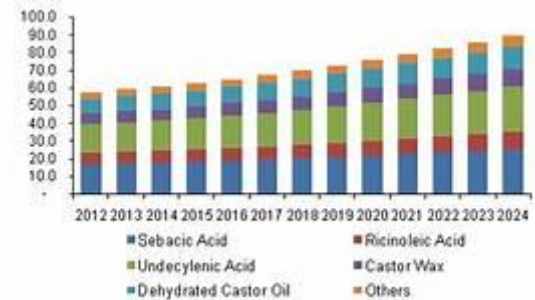
- #### MSDS
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 - Undecylenic Acid
 - Safety data for undecanoic acid
 - Undecylenic acid MSDS
- #### Projects and Consultants

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The global castor oil and derivatives market size exceeded USD 1.30 billion in 2015. The key factor contributing to the growth of the global market include increasing demand for sustainable and biodegradable products due to the shift of the industry towards diminishing dependence on petrochemicals

Castor Oil And Derivatives Market Analysis By Product (Sebacic Acid, Ricinoleic Acid, Undecylenic Acid, Castor Wax, Dehydrated Castor Oil), By Application (Lubricants, Surface Coatings, Biodiesel, Cosmetics & Pharmaceuticals, Plastics& Resins) And Segment Forecasts To 2024

Published Date: Aug, 2016 | Base Year for Estimate: 2015 | Report ID: 978-1-68038-328-7
Format: Electronic (PDF) | Historical Data: 2013-2015 | Number of Pages: 100



Report Summary

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Industry Insights

The global castor oil and derivatives market size exceeded USD 1.30 billion in 2015. The key factor contributing to the growth of the global market include increasing demand for sustainable and biodegradable products due to the shift of the industry towards diminishing dependence on petrochemicals.

This shift towards bio-based chemicals is on account of unstable prices of petrochemical derived product owing to the imbalance in the supply and demand have elevated distress regarding the overall chemical industry.

Regulatory support, due to conventions for governing environmental hazards connected to

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