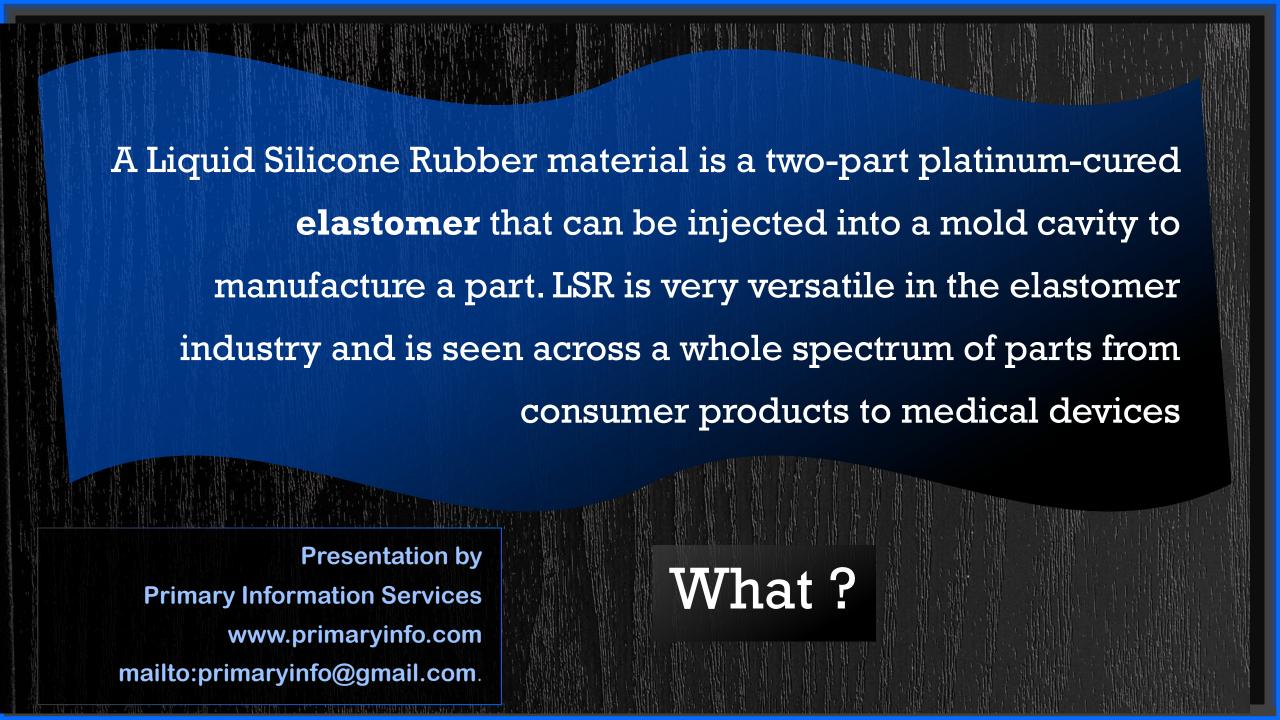
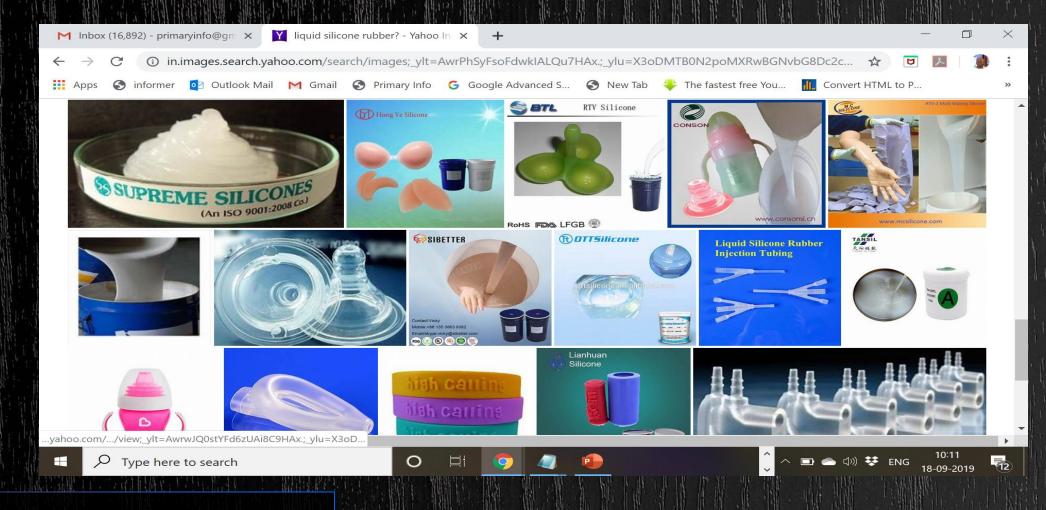
# Liquid Silicone Rubber

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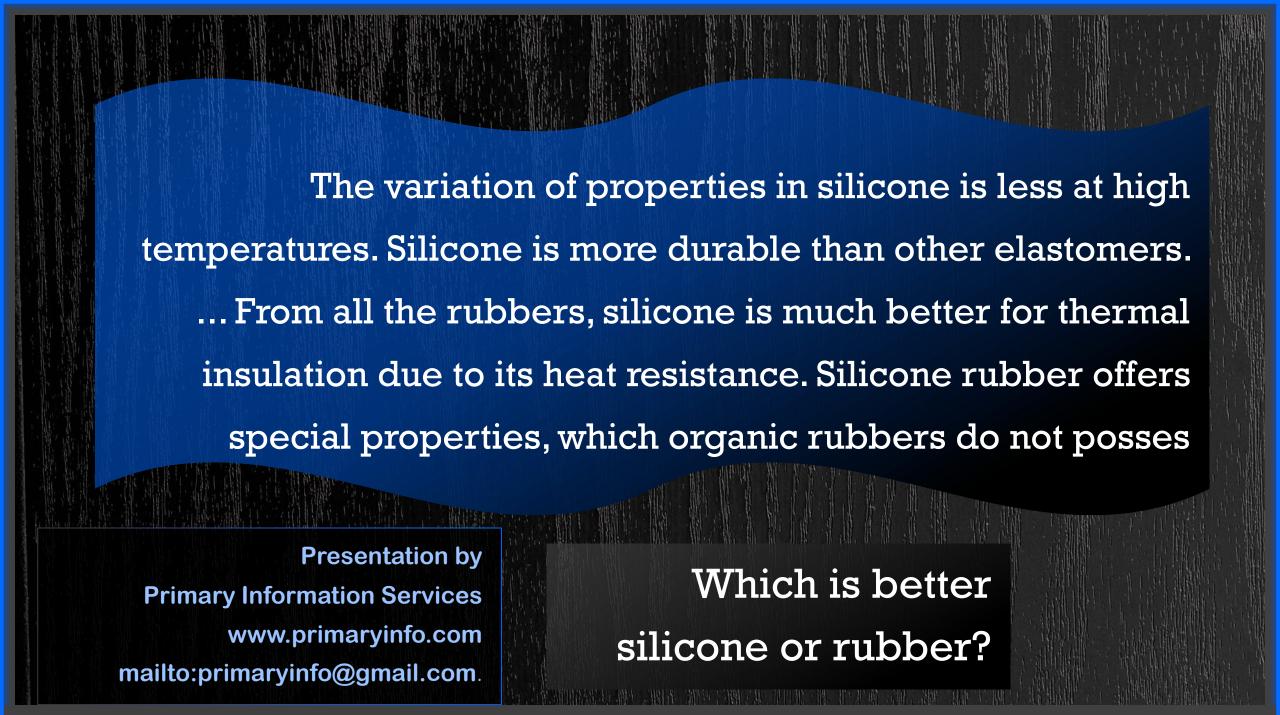


## LSR Products

Liquid silicone rubber is a high purity platinum cured silicone with low compression set, great stability and ability to resist extreme temperatures of heat and cold ideally suitable for production of parts, where high quality is a must

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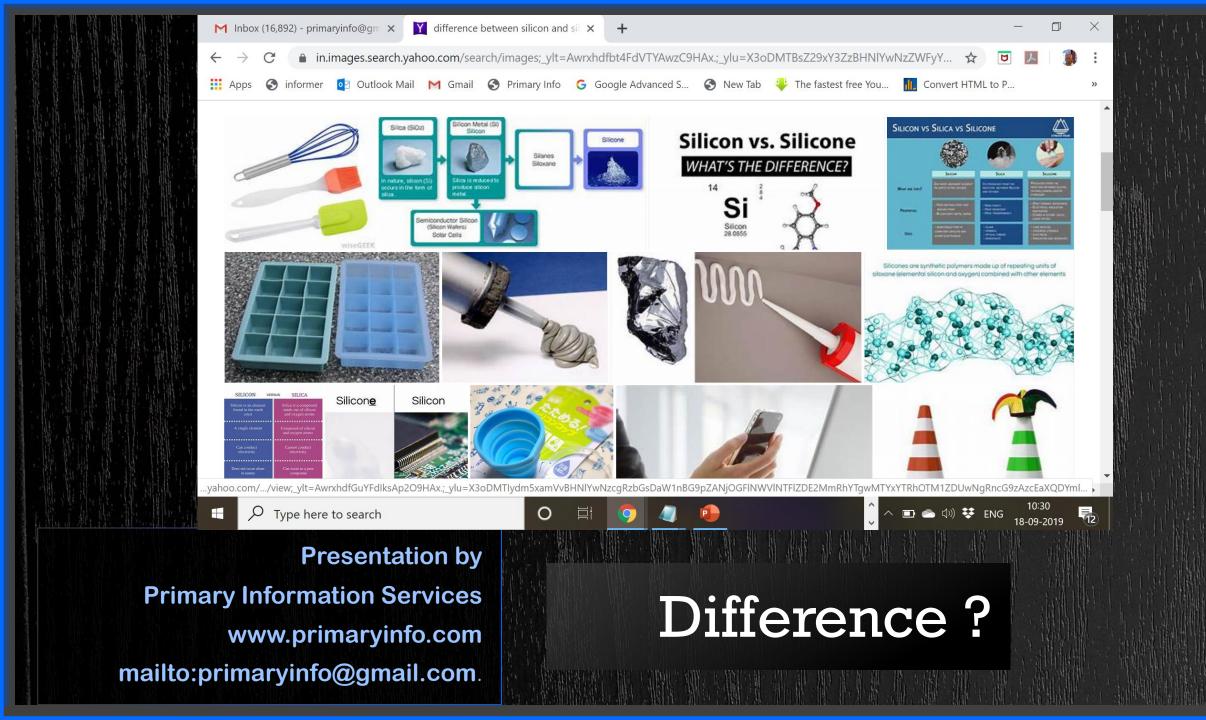
What is liquid silicone rubber used for?



Silicon is the chemical element Si, while silicone is a synthetic polymer. Although it appears like the words are synonyms and can be used interchangeably, they're not and they designate completely different things

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What is the difference between silicon and silicone?



Siloxanes (silicones) are well tolerated by the human organism, and therefore they are an integral part of innovative methods of treatment, health care and nursing. They are commonly regarded as non-toxic to humans and the environment, or toxic to a very small extend

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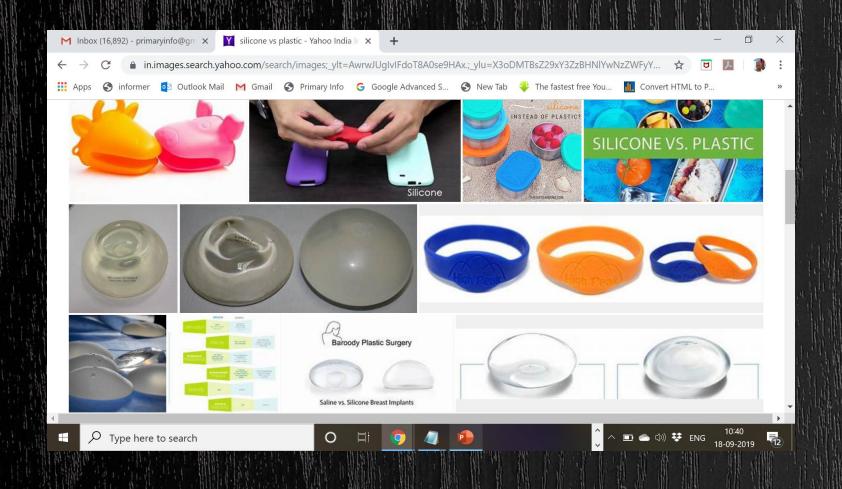
Is silicone toxic to humans?

Silicone is durable, and more ocean-friendly than plastic. It lasts longer, and stands up better against heat and cold than plastics.

It's safer for the family, too, with no estrogen-mimicking toxins like BPA to worry about

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Is silicone better than plastic?

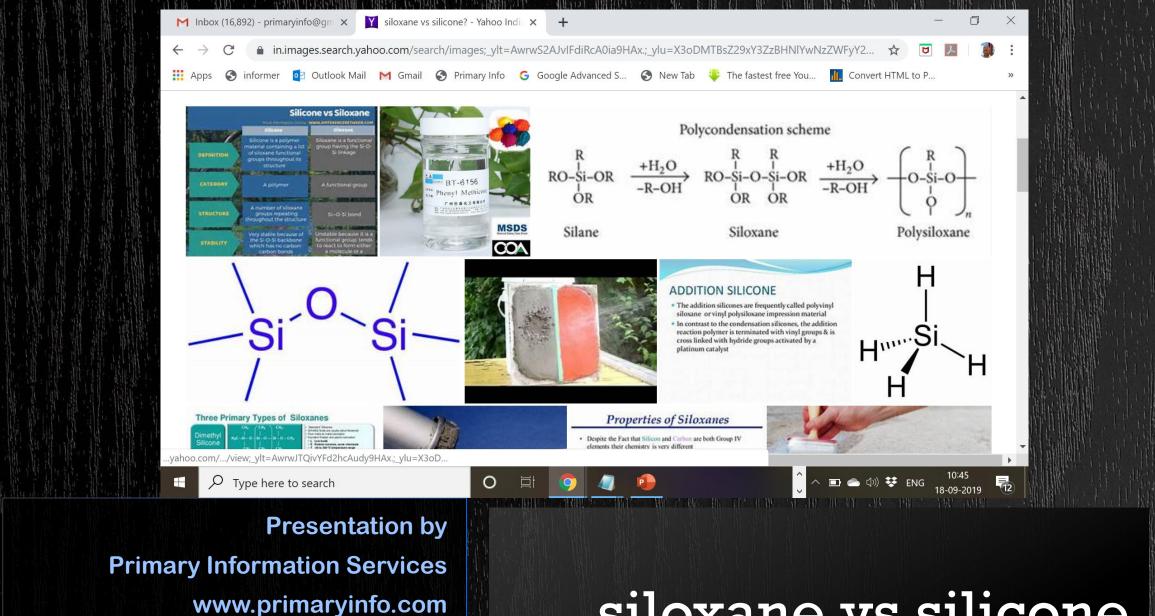


Silicone vs Plastic

Silicones, also known as polysiloxanes, are polymers that include any synthetic compound made up of repeating units of siloxane, which is a chain of alternating silicon atoms and oxygen atoms, combined with carbon, hydrogen, and sometimes other elements.

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Is siloxane a silicone?

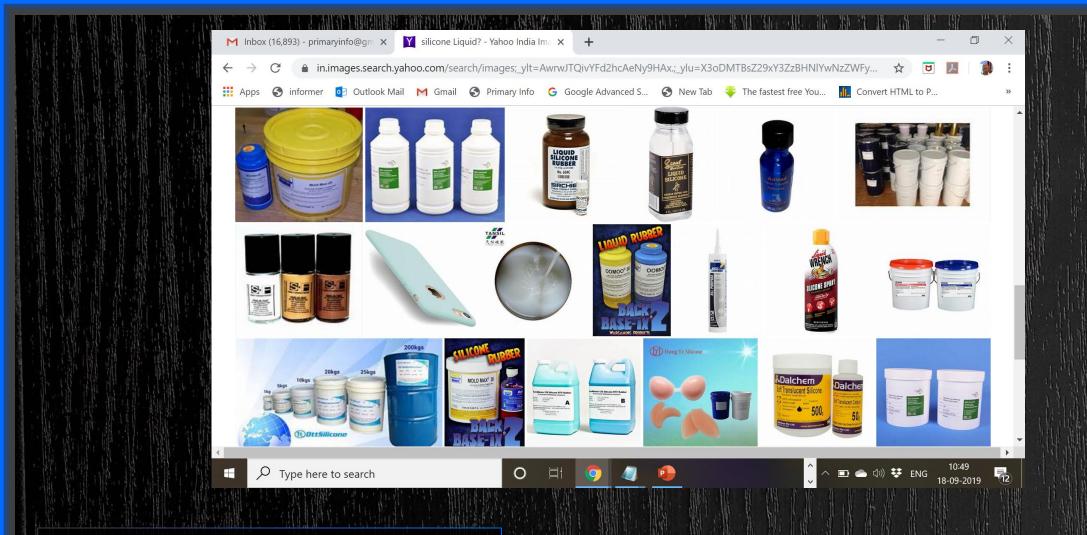


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siloxane vs silicone



What is silicone liquid?

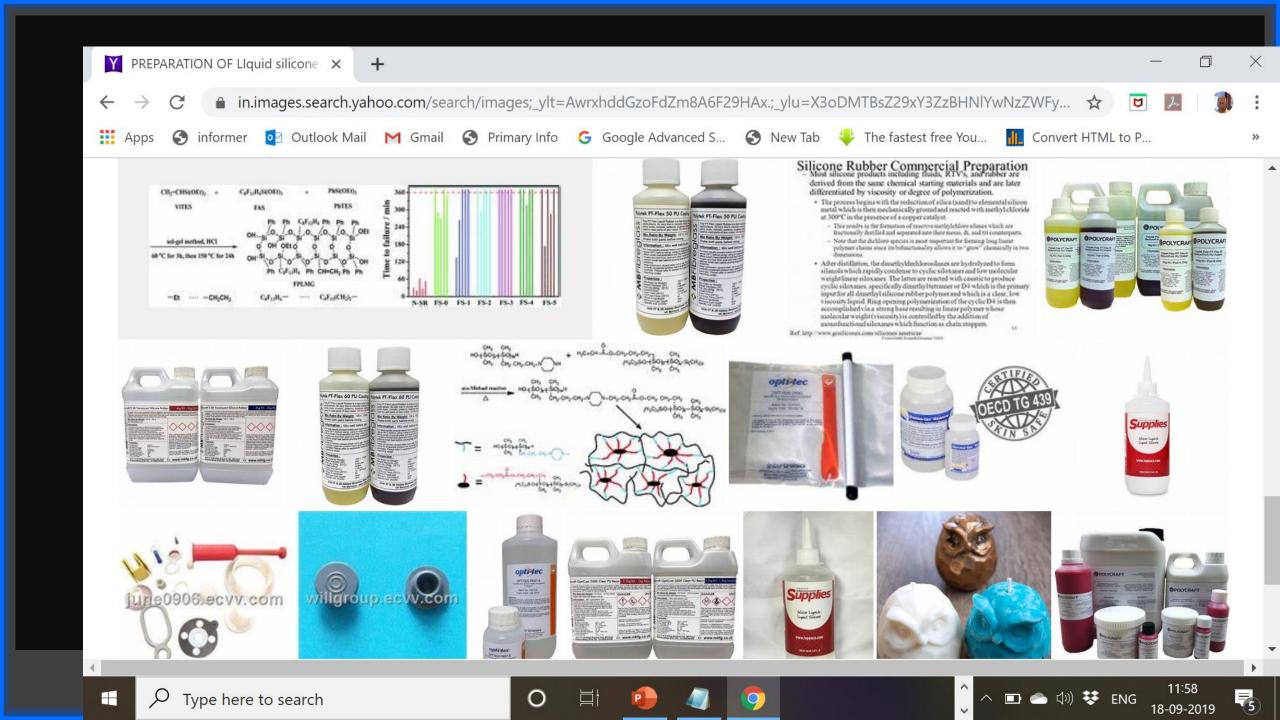


Silicone Liquid

The preparation of silicones is generally carried out by the hydrolysis of dialkyldichlorosilanes (R2SiCl2) or diaryldichlorosilanes Ar2SiCl2, which are prepared by passing vapors of RCl or ArCl over silicon at 570 K with copper as a catalyst.

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How are silicones prepared?



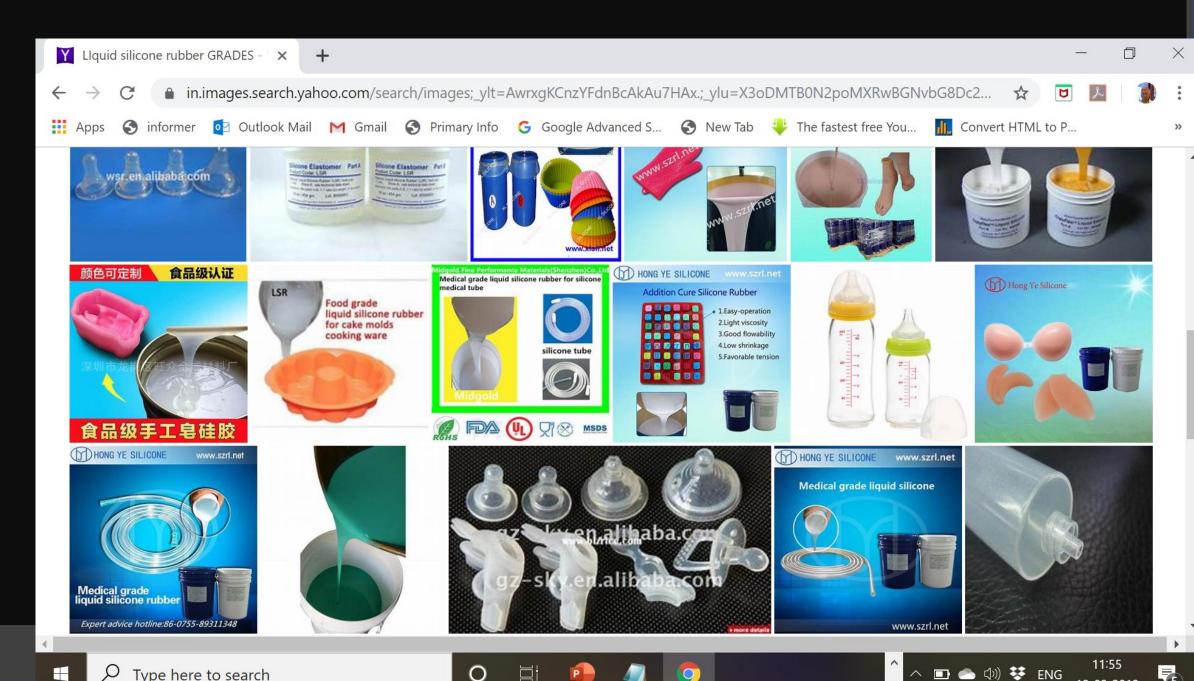
Silicone is a synthetic polymer made up of silicon, oxygen and other elements, most typically carbon and hydrogen. Silicone is generally a liquid or a flexible, rubberlike plastic, and has a number of useful properties, such as low toxicity and high heat resistance

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Is silicone a liquid?



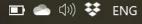
LSR Grades









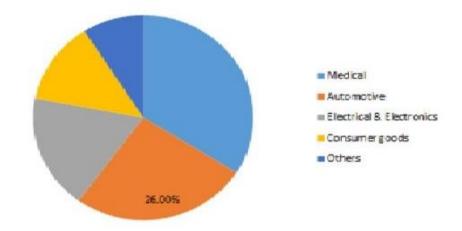




LSR Market Segments

#### Global Liquid Silicone Rubber Market 2018-2025 Top Manufacturers Profiles|Wacker Chemie AG,Dow Corning Corporation,Momentive Performance Materials Inc.,KCC Corporation,Elkem Group, Stockwell Elastomerics

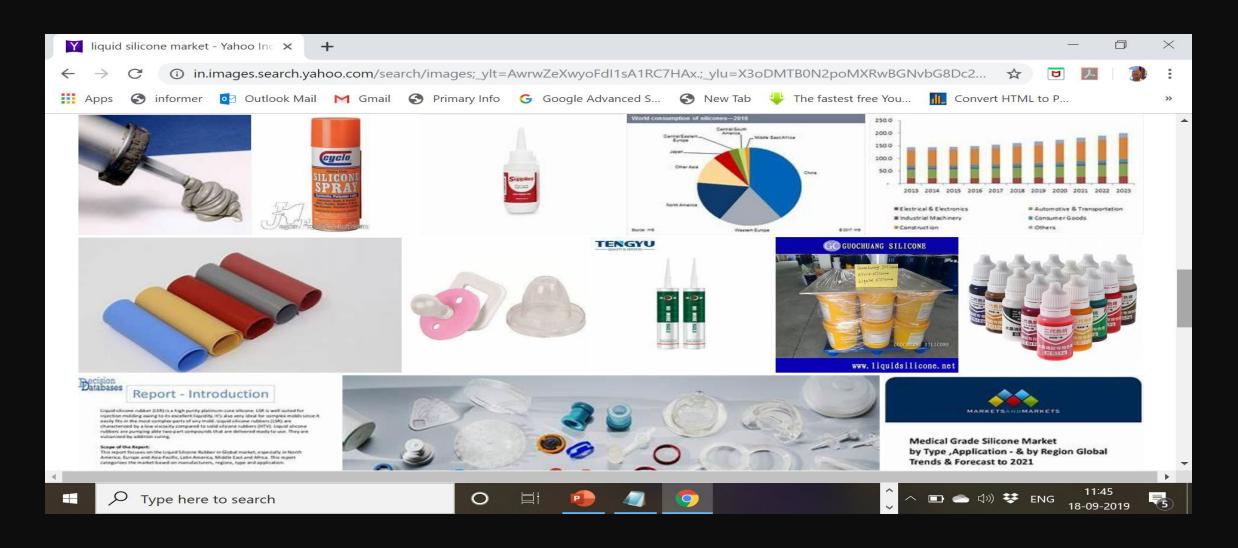
05-29-2018 11:01 AM CET | Advertising, Media Consulting, Marketing Research Press release from: Market Research Future (MRFR)



Liquid Silicone Rubber industry research, Liquid Silicone Rubber Market Size, Liquid Silicone Rubber US demand for liquid silicone rubber (LSR) is projected to rise 8.3% per year to \$685 million in 2023. Growth will be supported by an expanding number of applications for LSR, as well as by an increasing number of processors adopting LSR production capabilities.

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LSR Market Scenario



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### LSR Market

## Questions?

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