# CAR WASHING PRODUCTS

## **FORMULATIONS**

## AND

## PRODUCTION PROCESS

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E - Book

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#### WHAT IS PRODUCTION PROCESS

Production is the name given to the process of obtaining a good or service by passing certain resources through various processes. In addition, the word production can be defined as efforts to increase the benefits or quantities of goods or services that emerge to meet human needs. In other words, production can be called activities that will increase the ability of benefit. In addition, in a narrower expression, it is a good or service obtained by exerting effort with thought or physical strength.

Production is the process of transforming raw materials into final products using labor, tools, machinery, capital and chemical processes. Production output can be consumer goods or industrial goods. As the name suggests, consumer goods are purchased by the average customer for their own needs. Industrial goods, on the other hand, are sold to manufacturers and used in the production of other goods. The purpose of any production process is not only to create a finished product, but also to do so as efficiently as possible.

Production in industrial chemistry is chemical products that are formulated and produced by conducting R&D studies so that production does not fail during and after the production phase of the industry. The chemicals needed by industrial chemistry are divided into two as organic chemicals and inorganic chemicals. Industrial Chemicals are products produced from mixtures of appropriate chemical substances in the right amount by conducting R&D studies in line with the needs of the industrial chemical industry. While the science of chemistry offers innovation and difference in many areas of our lives, it is necessary to produce the chemical products needed for the continuity of production in the industry. This is where the Industrialized version of Chemistry Science, namely Industrial Chemistry, comes into play. Industrial Chemistry aims to transform many chemical substances into chemicals that can work at the desired level by dissolving, mixing, heating, reacting and interacting with suitable formulations under the light of Chemistry science.

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#### **HOW TO MAKE**

#### **CAR WASH PRODUCTS**

The production of <u>Car Wash Products</u> is not very complex. And no heat is used in any production stage and it is a completely cold process.

For the production of <u>Car Wash Products</u>, raw materials, a simple mixing mechanism and a usable formulation and in addition to this, a production process are needed.

For the production of quality and economical <u>Car Wash Products</u>, the formulation and production process are very important. Because this formulation is used to decide which raw materials should be added in what quantities and in what order.

For the production of <u>Car Wash Products</u>, there is no need for a very large area and large capital. In addition, there is no need for a technical machine and technical support.

You can produce <u>Car Wash Products</u> on yourself by using the formulas and production methods below.

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## TOUCHLESS AND BRUSHLESS

## **CAR WASH FOAM**

## LIQUID SHAMPOO

## PRODUCTION PROCESS



## TOUCHLESS AND BRUSHLESS CAR WASH SNOW FOAM SHAMPOO PRODUCTION PROCESS - 1

	INGREDIENTS	CAS	
NO		NUMBER	AMOUNT
1	SODIUM LAURYL ETHER SULFATE	68585-34-2	7 Kg
	(SLES)		
2	ETIDRONIC ACID	2809-21-4	10 Kg
3	SODIUM TRIPOLYPHOSPHATE (STPP)	7758-29-4	2 Kg
4	SODIUM HYDROXIDE ( % 100 )	1310 - 73 - 2	6.500 Kg
5	DEINOIZED WATER	7732-18-5	74.500 Kg
	TOTAL		100

**PROCESS:** Add deinoized water in the process tank. Start to mix. Add sles. Dissolve sles in the water completely. Add editronic acid and mix well. Add sodium tripolyphosphate during constant stirring. Finally, add sodium hydroxide part to part and slowly while mixing. Continue to stirr until mixture is homogenous. It is enough. Process is completed.

**NOTE:** Amount of ingredients used above formulation can be changed depending condition of market.

**NOTE:** The above formulated product is concentrated and filled 1 / 60 to car washing machine to wash car as touchless and brushless.