

INDUSTRIAL PRODUCTS E BOOKS



**INDUSTRIAL
PRODUCTS
FORMULATIONS
E – BOOKS**

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INDUSTRIAL DETERGENT PRODUCTS E BOOKS



**ALUMINIUM
CLEANER AND POLISHER
FORMULATIONS
E – BOOKS**

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**CONCENTRATED
ALUMINIUM SURFACE CLEANER FLUID
PRODUCTION PROCESS – I**

NO	INGREDIENTS	CAS NUMBER	W/W
1	COCAMIDOPROPYL BETAINE	61789-40-0	7
2	COCAMIDE DEA	68603-42-9	3
3	NONYLPHENOL ETHOXYLATE 10 EO	26027-38-3	3
4	SODIUM HYDROXIDE % 100	1310 -73-2	2
5	SODIUM SILICATE	1344 -09-8	5
6	DEINOIZED WATER	7732 – 18-5	80
	TOTAL		100

PROCESS: Charge deionized water in the process tank. Start to mix. Add betaine, cocamide and nonylphenol ethoxylate. Dissolve three ingredients in the water thoroughly. Add sodium hydroxide and sodium silicate during constant mixing. Continue to stir until mixture is homogenous. Homogenous 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. So, it is diluted 1 : 10 or 1: 20 ratio with clean water and packing to sell.

**CONCENTRATED
ALUMINIUM SURFACE CLEANER FLUID
PRODUCTION PROCESS – 2**

NO	INGREDIENTS	CAS NUMBER	W/W
1	COCAMIDOPROPYL BETAINE	61789-40-0	5
2	COCAMIDE DEA	68603-42-9	3
3	GLUCOPAN	26027-38-3	3
4	POTASSIUM HYDROXIDE % 100	1310 – 58-3	2
5	SODIUM SILICATE	1344 -09-8	2
6	POTASSIUM TRIPOLYPHOSPHATE	13845-36-8	5
7	DEINOIZED WATER	7732 – 18-5	80
	TOTAL		100

PROCESS: Charge deionized water in the process tank. Start to mix. Add betaine, cocamide and glucopan. Dissolve three ingredients in the water thoroughly. Add potassium hydroxide, potassium tripolyphosphate and sodium silicate during constant mixing. Continue to stir until mixture is homogenous. Homogenous 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. So, it is diluted 1 : 10 or 1: 20 ratio with clean water and packing to sell.

**CONCENTRATED
ALUMINIUM SURFACE CLEANER FLUID
PRODUCTION PROCESS – 3**

NO	INGREDIENTS	CAS NUMBER	W/W
1	SODIUM LAURYL ETHER SULFATE	68585-34 -2	5
2	SODIUM METASILICATE	13517-24-3	2
3	NONYLPHENOL ETHOXYLATE 10 EO	26027-38-3	2
4	POTASSIUM HYDROXIDE % 100	1310 – 58-3	2
5	SODIUM SILICATE	1344 -09-8	2
6	POTASSIUM TRIPOLYPHOSPHATE	13845-36-8	5
7	DEINOIZED WATER	7732 – 18-5	82
	TOTAL		100

PROCESS: Charge deionized water in the process tank. Start to mix. Add sodium lauryl ether sulfate and nonylphenol ethoxylate. Dissolve two ingredients in the water thoroughly. Add sodium metasilicate and mix well. Add potassium hydroxide, potassium tripolyphosphate and sodium silicate during constant mixing. Continue to stir until mixture is homogenous. Homogenous 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. So, it is diluted 1 : 10 or 1: 25 ratio with clean water and packing to sell.