## **CAR CARE PRODUCTS E BOOKS**



# CAR CARE PRODUCTS FORMULATIONS E - BOOKS

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# ADBLUE UREA SOLUTION

# **FORMULATIONS**

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# **CONTENT**

- 1 ADBLUE UREA SOLUTION

  FORMULATION AND PRODUCTION PROCESS 1
- 2 ADBLUE UREA SOLUTION

  FORMULATION AND PRODUCTION PROCESS 2

# ADBLUE UREA SOLUTION PRODUCTION PROCESS – 1

NO	INGREDIENTS	CAS NUMBER	W/W
1	UREA ( % 46 NITROGEN )	57 – 13 – 6	32.5
2	TRIETHANOLAMINE ( TEA )	102 – 71-6	0.5
3	DEIONIZED WATER	7732 – 18 -5	67
	TOTAL		100

**PROCESS:** Charge water and urea in the process tank. Start to mix. Add triethanolamine and mix well. Continue to stirr until mixture is homogenous. Homogenous is enough. Process is completed.

**NOTE**: Reduces Nitrous Oxide in diesel vehicles. For vehicles using a Selective Catalytic Reduction (SCR) system

**USE**: The above formulated product is ready to use.

# ADBLUE UREA SOLUTION PRODUCTION PROCESS - 2

NO	INGREDIENTS	CAS NUMBER	W/W
1	UREA ( % 46 NITROGEN )	57 – 13 – 6	33
2	TRIETHANOLAMINE ( TEA )	102 – 71-6	0.5
3	SODIUM METASILICATE	13517-24-3	0.5
4	DEINOIZED WATER	7732 – 18-5	66
	TOTAL		100

**PROCESS:** Charge water and urea in the process tank. Start to mix. Add triethanolamine and sodium metasilicate while stirring. Continue to stirr until mixture is homogenous. Homogenous is enough. Process is completed.

**NOTE**: Reduces Nitrous Oxide in diesel vehicles. For vehicles using a Selective Catalytic Reduction (SCR) system

**USE**: The above formulated product is ready to use.