



SUPER COOL - 100 SYNTHETIC COOLANT

- The captioned chemical is a new development used in place of conventional oil based emulsion forming coolant.
- This coolant can be used for any type of metal and their alloys, especially for cast iron grinding.
- This is a mixture of Synthetic corrosion inhibitors with an excellent cooling effect of high stability at elevated temperatures thereby making them stable at all machining conditions.
- This coolant has a good sequestering action thereby enabling users to use it in any water available at their source (upto 200 ppm hardness).

SPECIFICATION OF SUPER COOL - 100

1	COLOUR	GREEN
2	ODOUR	VERY MILD ODOUR
3	ACTIVE MATTER	37% \pm 2%
4	pH	9
5	pH OF 2%	8 TO 8.5
6	SPECIFIC GRAVITY	1.1

RECOMMENDED CONCENTRATIONS TO BE USED ON DIFFERENT MACHINES.

1. On CNC Machines - 5%
2. On Lathe and other machines - 2.5% to 3.5%.
3. On Grinding Machine - 3%



"Conventional cutting oils have limitations as far as applications are concerned. The oils are very good lubricant but cannot give sufficient cooling effect. Hence the temp. of coolant increases & there by affects the tool life. Tool become blunt. Similarly in grinding the dressing of the grinding wheel is also affected because of poor heat transfer.

In synthetic coolant this basic need of cooling has been given Prime importance. We have added chemicals which will increase the cooling effect along with good lubrication.

Synthetic coolants contain very good corrosion inhibitors hence give better corrosion prevention.

We have added special fungicides which improve the sumplife of the coolant hence can be used for a prolonged period as compared to conventional cutting oils there by making them cost effective even though the basic price may be high.

Synthetic coolants contain additives which are oil repellent in nature.

Hence the tramp oil does not get mixed with the coolant & properties of the coolant does not vary.

Utmost care is to be taken in maintaining the concentration of synthetic coolant to get best results out of it."



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