

PRODUCT DATA SHEET

SERVOSYNTH



DESCRIPTION

Servosynth products are water soluble synthetic grinding fluids. The solutions prepared from these fluids are fully clear and free from any oil or fatty matter. These products have remarkable antirust property. Servosynth 5 contains a special chemical inhibitor, which protects cuprous metal components of machines tools.

PERFORMANCE BENEFITS

- ☞ Gives longer service life to grinding wheels in between re-dressings.
- ☞ Produce good ground finish.
- ☞ Do not emanate obnoxious odour even when machine is shut down fluid is not kept in circulation
- ☞ Are not attacked by bacteria.
- ☞ Have longer life and the solution maintains clarity throughout the service
- ☞ Do not give skin irritation when used in proper dilution range.
- ☞ Have remarkable antirust properties.

APPLICATION

Servosynth 2 is recommended for grinding of ferrous metals, high nickel and titanium alloys only. It is of a special value when grinding open grain cast irons, which tends to rust quickly after being machined. Servosynth 5 is specially recommended for grinding operations of Iron-Steel, Non-alloyed Steels and Nickel Chromium Steels. It should not be used for grinding aluminium, zinc, copper or magnesium alloys, tin or cadmium coated parts.

Dilution range for both the products varies from 1:40 min. to 1:100 max. Higher concentrations than required do not give production benefits but may lead to slight discolouration of workers skin.

PERFORMANCE STANDARDS

- ☞ Servosynth oils meet IS:11186-1985 reaffirmed 1990 standards.

CHARACTERISTICS

	Servosynth 2	Servosynth 5
Density at 15°C, gm/ml (Typical)	1.206	1.213
Emulsion type with 10% DW	Clear with green fluorescence	Clear with green fluorescence
PH of solution 2% in DW, Min.	9.0	9.0

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai - 400 051

E-Mail: servotechserv@indianoil.in **OR** servots@indianoil.in

May-20