

Syntilo 9920

Synthetic Coolant

Description

Castrol Syntilo™ 9920 is a synthetic coolant formulated without mineral oil and formaldehyde releasing agent.

It can be used in both single sump machines as well as central systems.

Application

Syntilo 9920 is developed for surface, cylindrical, double disk and centerless grinding as well as for milling, turning, boring and light drilling operation on cast iron and low carbon steel. Syntilo 9920 can be used for glass polishing operations too.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

| | Cast Iron | Low-medium alloyed steel | High alloyed - stainless steel | Aluminium alloys | Magnesium alloys | Yellow metals |
|--------------------------------------|-----------|--------------------------|--------------------------------|------------------|------------------|---------------|
| Grinding | ü ü | ü ü | ü | | | |
| Milling, Turning (general machining) | ü ü | ü ü | ü | | | |
| Drilling | ü ü | ü | | | | |
| Reaming, Tapping | ü ü | ü | | | | |
| Broaching | ü | | | | | |

Advantages

- Low foaming in all recommended water conditions (see details below)
- Extended fluid life can help to reduce maintenance and downtime
- Rejects tramp oil to the surface of the fluid for easy removal.
- Formulated without formaldehyde releasing agent which help you to fulfil aspects of legislative where applicable
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment.

Typical Characteristics

| | Test Method | Unit | Value |
|---------------------------|--------------------------|------|--------------|
| <u>Concentrate</u> | | | |
| Colour | Visual | | Light Yellow |
| Mineral oil content | Calculated | Wt% | 0 |
| <u>Solution</u> | | | |
| Appearance | Visual | | Transparent |
| pH (5%) | DIN 51369 ASTM E70-97 | | 9.4 |
| Refractometer Factor | | | 2.2 |

Subject to usual manufacturing tolerances.

Recommended Concentrations

| | |
|---------------------|-------------------------------|
| Grinding : | 3 – 5% |
| General Machining : | 4 – 6% |
| Drilling : | 4 – 8% |
| Reaming : | 6 – 8% |
| Water range : | 0 - 400 ppm CaCO ₃ |

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

Syntilo 9920
04 Oct 2018
Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

<http://msdspds.castrol.com>