

Castrol Techniclean MTC 43

Machine tool and system cleaner

Description

Castrol Techniclean™ MTC 43 is a liquid, mildly alkaline, medium to heavy duty machine tool and system cleaner, based upon powerful low foaming surfactants, emulsifiers and anti-microbiological agents.

Application

Techniclean MTC 43 has been specifically formulated to deal with a wide variety of machine tool and system contaminants including fatty build-up in pipelines and floor ducts.

Techniclean MTC 43 is easy to use with minimum disruption to production, being added directly to the coolant system whilst still in operation. Floating tramp oil is emulsified.

Conditions of Use

- An addition of 1 - 3% of Techniclean MTC 43 is recommended. The amount added depends on the general condition of the coolant system (1% is usually adequate)
- Introduce Techniclean MTC 43 where there is a good coolant movement, e.g. immediately beyond the pump outflow back to the main settling tank, or direct into a velocity trench or floor return channel. This ensures complete mixing with the coolant.
- Add Techniclean MTC 43 8 - 24 hours before the coolant is scheduled to be discarded. The machine tools should then be operated normally for a minimum of eight hours.
- Machine tools, which are not wetted by the emulsion, could be cleaned manually by using a 2 - 3% dilution of Techniclean MTC 43.
- Following this period of circulation (max 24 hours), empty the entire coolant system and machines and dispose of the coolant in accordance with normal work procedures.
- Rinsing with a fresh coolant (about 1%) is recommended.

Advantages

- Low foam and compatible with common soluble coolants and metal substrates – can be used whilst machines are operating normally which reduces maintenance and disposal costs
- Keeps machine tool systems in a clean and efficient condition – minimises downtime and so improves productivity
- Highly effective against bacteria and fungi contaminations – improves environment for workforce

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	clear, slight yellow liquid
Density @ 20°C	DIN 51757	kg/m ³	1068
pH (5% solution)		-	8,8

User Advice

Care should be taken with handling the Techniclean MTC 43 concentrate to avoid eye and skin contact. Although it is not expected that the risks of exposure to metalworking fluid will change as a result of the addition of Techniclean MTC 43, it is recommended that the normal appropriate handling precautions are used to avoid skin and eye contact with the fluid during this period.

Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress.

Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always.

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

Castrol, Techniclean (Lettered), and the Castrol logo 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.

Deutsche BP AG – Industrial Lubricants & Services, Erkelenzer Str. 20, 41179 Mönchengladbach

Tel: +49 (0)2161 909-30 Fax: +49 (0)2161 909-481

www.castrol.com