



Product Data

Castrol Techniclean TW AL

Universal spray process cleaner

Description

Castrol Techniclean™ TW AL is an aqueous, low alkalinity, industrial cleaner containing biodegradable surfactants and corrosion inhibitors.

Application

Techniclean TW AL is a universal, inter-operational, multi-metal cleaner, suitable for cleaning parts and components in a wide range of industrial spray and intensive flood wash machines.

Techniclean TW AL effectively removes soluble oils, light duty neat cutting or forming oils, lubrication oils, soft film corrosion preventives, swarf and general dirt.

Conditions of Use

Concentration Range.	1 -5%
Temperature Range:	40 - 70 °C
Spray Pressure:	up to 20 bar / 300 psi

Optimum conditions of use are depending on the detailed application requirements and the amount and nature of the soil being removed.

Advantages

- Leaves a temporary corrosion preventive film on the metal surface – minimises scrap rate which improves productivity
- Good demulsifying properties provide easy skimming and long bath life – reduces maintenance and disposal cost
- Low foaming above 40°C – economical, improved productivity at lower cost
- Moderate pH-level – HSSE-profile improves operator acceptance
- Multi-metal compatible and suitable in hard and soft water – enables possible product consolidation

Typical Technical Characteristics

	Unit	Test Method	Value
Appearance	-	Visual	Clear, light yellow liquid
Density @ 15°C	kg/m ³	DIN 51 757	1050
pH (5% in DI-water)	-		9.3

Concentration Control

- Pipette 10 ml in an Erlenmeyer flask
- Add 1 - 2 drops of indicator solution nitrazine yellow
- Titrate with hydrochloric acid (c = 0.1 ml/l) until colour changes from blue to yellow
- Concentration = required ml hydrochloric acid * **factor 1,1**

Additional Information

Techniclean TW AL is classified as non hazardous substance according to the criteria of NOHSC. However, in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

Techniclean TW AL is not classified as combustible for storage and handling purposes. Store in a cool, dry, well-ventilated area out of direct sunlight. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

- Spillage: **SMALL - 20 LITRES OR LESS**
Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility.
- LARGE - GREATER THAN 20 LITRES**
Contain as soon as possible, remove by best means available and arrange recycling (preferred) or disposal through an approved facility.
- Disposal: New or used material must not be allowed to enter the ground, ground water, water courses, sewers or drainage systems. Advice may be sought from the Environmental Protection Authority or from the local waste disposal authority.

Techniclean TW AL
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All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product. See www.msds.castrol.com.au

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