

TECHNICAL DATA SHEET

HOUGHTO-CLEAN® 8170

ALKALINE CLEANER

HOUGHTO-CLEAN® 8170 is a neutral cleaner designed for use prior to HOUGHTO-PREP™ ZP Technology conversion coatings where heavy soils need to be removed prior to treatment. HOUGHTO-CLEAN® 8170 presents no barrier to subsequent coating and can be used on all substrates. HOUGHTO-CLEAN® 8170 contains a blend of low solids and efficient organic package designed to eliminate effluent problems. The product is compatible with all alloys and contains residual corrosion inhibition to cast iron and steel parts.

The synergistic combination of natural materials present in HOUGHTO-CLEAN® 8170 provides very high cleaning performance enabling the removal of a wide range of oils, greases and soils. Heavy overflow of rinse between the HOUGHTO-CLEAN® 8170 and HOUGHTO-PREP™ ZP Technology treatment stage is not necessary therefore maximizing reduced effluent potential.

Applications

Premium mixed-metal spray cleaner primarily designed for use prior to HOUGHTO-PREP™ ZP technologies.

HOUGHTO-CLEAN® 8170 has also been proven to be effective in a wide range of remanufacturing multi-metal cleaning applications. The product is compatible with all alloys and contains residual corrosion inhibition for cast iron and steel parts.

Recommendation for Use

HOUGHTO-CLEAN® 8170 is typically used in spray systems at 1 to 5% by volume and 5 to 20% for immersion and ultrasonic systems. Temperature operating range is 85°F to 150°F. A working bath is controlled by titration:

1. Take 10 ml. sample of bath
2. Fill buret with 0.1 N Acid
3. Add 4 to 6 drops phenolphthalein indicator to sample
4. Titrate to a clear endpoint

$\text{mls. Titrant} \times 0.9 = \% \text{ Concentration HOUGHTO-CLEAN® 8170}$

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose.

Benefits

- Free rinsing
- Low solids
- Flash rust protection
- Non-phosphated, non-silicated
- Multiple substrate capability
- Versatile application systems
- Controlled micro-etch for aluminum

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control – we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Properties

PROPERTY	TYPICAL VALUE	UNIT
Form	Clear, light brown liquid	
Foaming	Controlled to none	
pH (neat)	10.5	
Specific Gravity	1.05	

