

# QS 100

Process Detergent

*Technical Data*

## GENERAL DESCRIPTION

**QS 100** is a heavy-duty degreaser for use in vibratory, centrifugal, and soak wash systems. It can be left on parts for short term corrosion protection. **QS 100** is safe for use on most metals.

## NORMAL USE

This product is diluted with water before usage. Determine volume of tank before diluting.

For light-duty soil removal, mix **QS 100** at 1% to 2% with water.

For heavy-duty soil removal, mix **QS 100** at 3% to 4% with water.

For soak applications, mix **QS 100** at 8% to 12% with water.

Operating temperatures are ambient to 160° F.

## ADVANTAGES

1. Water based cleaner.
2. Biodegradable.
3. Useful over a wide range of applications and operating conditions.
4. In-process corrosion protection.
5. Excellent rinsability.

## NORMAL CONTROL

**Hach® Alkalinity Test Kit Method** (Model AL-TA, available from Chautauqua Chemicals Co.)

1. Take a sample of the **QS 100** solution from the bath with a beaker and allow to cool to room temperature.
2. Measure out 10 mL using the graduated sample bottle provided in the test kit.
3. Add the Bromcresol Green-Methyl Red Indicator Pillow to produce a blue-green solution.
4. Add dropwise 0.50N sulfuric acid while counting the drops and swirling the solution.
5. Stop adding drops when color changes to an orange-pink color.
6. Calculation: Percent Concentration of **QS 100** = Drops of 0.50N H<sub>2</sub>SO<sub>4</sub> x 0.55

## HANDLING AND SAFETY CONSIDERATIONS

Consult MSDS sheet on this product for handling considerations, hazard information, and first aid procedures.

## OTHER INFORMATION

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