

JC 401C

LOW FOAM ALKALINE DETERGENT

Industrial Cleaning



- Low foam heavy duty alkaline detergent
- Excellent rinsability
- Readily biodegradable.
- Silicate Free
- Can be used on carbide cutting tools for in-process cleaning
- Excellent removal of lapping, grinding, and drawing compounds

NORMAL PROCESS

Process:	Spray Wash Systems
Concentration:	3-10% (normal range 3-5%)
Temperature:	140°F-170°F/60°C-75°C
Rinse:	Yes
Dry:	Air

PRODUCT PROPERTIES

Appearance:	Clear, straw colored liquid
PH Range:	12.0-12.5
Specific Gravity:	1.08-1.09 g/mL at 25°C (77°F)
Water Soluble:	Soluble

PRODUCT APPLICATION

spray wash

REMOVES THESE CONTAMINANTS

metalworking fluids, stamping oils, grinding compounds, and drawing compounds

SURFACE COMPATIBILITY

steel, stainless steel, nickel alloys, carbide, and titanium

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NORMAL CONTROL

Dropping Bottle Method (Jayco Chemical Solutions part number: Alkalinity P/T Test Kit JYT001)

1. Take a sample of the JC 401C solution from the Bath with a beaker and allow to cool to room temperature.
2. Measure out 10 mls, using the graduated sample bottle provided in the titration kit.
3. Add 1-2 drops of total phenolphthalein indicator
4. Add dropwise 0.25 N sulfuric acid while counting the drops and swirling the solution.
5. Stop adding the drops when color changes from pink to colorless
6. Calculation :

$$\text{Concentration of JC 401C (\%)} = \text{Drops of 0.25 N H}_2\text{SO}_4 \times 0.220$$

Conductivity

Below are readings taken with DI water. Jayco Chemical Solutions suggests making up known concentrations in customer's operating range and water for more accurate readings.

%	conductivity (mS/cm)
2	3.20 mS/cm
3	4.71 mS/cm
4	6.12 mS/cm
5	7.47 mS/cm
7	10.11 mS/cm

HANDLING AND SAFETY CONSIDERATIONS

Consult product safety data sheet for handling considerations, hazard information, and first aid procedures.

OTHER INFORMATION

No warranty, expressed or implied of merchantability fitness for a particular purpose or otherwise, is made. Buyer assumes all risk of use, storage and handling. JAYCO Chemical Solutions shall not be made liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, storage, handling or disposal of this product.