

JC 700

ALKALINE DETERGENT

Industrial Cleaning



- High alkaline detergent
- Readily biodegradable
- Silicate Free
- Excellent rinsability
- Removal of lapping and grinding compounds, stamping oils, and carbonaceous soils

NORMAL PROCESS

| | |
|-----------------------|----------------------------------|
| Process: | Ultrasonic and Immersion Systems |
| Concentration: | 3-10% (normal range 3-5%) |
| Temperature: | 120°F-170°F/50°C-77°C |
| Rinse: | Yes |
| Dry: | Air |

PRODUCT PROPERTIES

| | |
|--------------------------|-------------------------------|
| Appearance: | Clear, straw colored liquid |
| PH Range: | > 13 |
| Specific Gravity: | 1.15-1.16 g/mL at 25°C (77°F) |
| Water Soluble: | Soluble |

PRODUCT APPLICATION

ultrasonic and immersion

REMOVES THESE CONTAMINANTS

Metalworking fluids, stamping oils, grinding and drawing compounds, and carbonaceous soils

SURFACE COMPATIBILITY

steel, stainless steel, nickel alloys, and titanium

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NORMAL CONTROL

Dropping Bottle Method (Jayco Chemical Solutions part number: Alkalinity P/T Test Kit JYT003)

1. Take a sample of the JC 700 solution from the Bath with a beaker and allow to cool to room temperature.
2. Measure out 5 mls, using the graduated sample bottle provided in the titration kit.
3. Add 1-2 drops of total phenolphthalein indicator
4. Add dropwise 1.0 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 :

$$\text{Concentration of JC 700 (\%)} = \text{Drops of 1.0 N H}_2\text{SO}_4 \times 0.294$$

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) |
|----|----------------------|
| 3 | 18.62 mS/cm |
| 5 | 32.5 mS/cm |
| 10 | 62.7 mS/cm |
| 15 | 91.4 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.