



PRETREATMENT TECHNICAL DATA SHEET

LOW TEMPERATURE
SPRAY CLEANER

PRODUCT DESCRIPTION

ULTRAX LT8620 is a liquid alkaline cleaner developed for use in low temperature cleaning applications on multi-metal substrates.

ULTRAX cleaners are recommended for use in any production process requiring the pretreatment and painting of metal components, for end-products such as automobile parts, appliances, lawn & garden, heavy duty equipment, tractors, recreational vehicles or office furniture.

TECHNICAL PROPERTIES

• Composition:	Liquid
• Recommended Concentrations:	
○ Spray	2-5% by volume
○ Immersion	5-10% by volume
• Temperature:	85 ⁰ - 125 ⁰ F.
• Dwell Time:	
○ Spray	60-90 seconds
○ Immersion	90-120 seconds

PRODUCT ADVANTAGES

- Capable of removing a wide variety of soils, e.g., lubricants, rust inhibitors, metalworking compounds. NOTE: a prewash is recommended for emulsion based compounds and synthetic based compounds to reduce foam.
- Mixes readily with water and is suitable for use with alkaline resistant feed equipment
- Low silicate level
- Low temperature cleaning, 85°F-125°F

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USE & CONTROL INSTRUCTIONS:

Operating Properties (Typical):

- Application: Spray or Immersion
- Operating Concentration: Spray: 2-5% by volume
Immersion: 5-10% by volume
- Operating temperature: 85⁰F-125⁰F
- Operating time: Spray: 60-90 seconds
Immersion: 90-120 seconds

Specific process conditions may warrant operating the above parameters outside of the typical ranges. Please consult your PPG representative.

Charge Details:

- 1) Fill the clean tank to approximately $\frac{3}{4}$ full of the operating solution with fresh water.
- 2) Heat the tank to 120⁰F.
- 3) Slowly add the recommended amount of **ULTRAX LT8620** to the processing tank.
- 4) Continue to heat the processing tank to the recommended operating temperature.
- 5) Mix well and continue filling the tank to the operating level with fresh water.
- 6) Make concentration adjustments and begin processing parts.

Analysis Procedures:

CAUTION: DO NOT PIPETTE BY MOUTH!

Free Alkalinity

Equipment needed:

- Burette
- Beakers
- 250 mL Flask
- 10 ml volumetric pipette
- Pipette Bulb

Reagents needed:

- Indicator: Phenolphthalein
- Titrant: 0.1 Normal Sulfuric Acid

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Procedure:

1. Pipette 10 ml of cleaner bath into a clean, dry 250 mL flask.
2. Add 5 drops of Phenolphthalein indicator.
3. While swirling the flask, titrate the pink/red solution with 0.1 Normal Sulfuric Acid until the solution turns colorless.

Calculation:

mL of 0.1 N Sulfuric Acid X 0.47= Percent concentration of **ULTRAX LT8620**

Concentration % by volume	Free Alkalinity (mL)
0.5	1.1
1.0	2.1
2.0	4.3
3.0	6.4
4.0	8.5
5.0	10.6
6.0	12.8

ULTRAX LT8620 Replenishment:

- To raise the concentration by 1% by volume, add 10 gallons of **ULTRAX LT8620** to each 1000 gallons of tank volume.
- To raise the concentration by one point of free alkalinity, add 4.7 gallons of **ULTRAX LT8620** for each 1000 gallons of tank volume.

TECHNICAL DATA SHEET DISCLAIMER—INDUSTRIAL COATINGS:

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