

# ALCLENE NLF202A-L

**ALCLENE NLF202A-L** is a slightly alkaline product developed to remove lights oils and soils from a variety of metal surfaces, including aluminum and stainless steel. While designed to clean aluminum without etching, it can be used for cleaning most metals. Although most often used in combination with ultrasonic cleaning methodology, it can be used in a soak/mild agitation technique as well. Not recommended for use in pressure spray applications due to moderate to high foaming.

## Features & Benefits

|                                                                               |                                                                                     |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Rapid, efficient cleaning in combination with ultrasonic cleaning methodology | Removes light stamping oils and surface soils. Not meant for heavy duty degreasing. |
| Excellent oil emulsification at recommended operating conditions              | Displaces oils on cooling                                                           |

## Physical Data

|                          |                    |
|--------------------------|--------------------|
| Appearance               | Clear Amber Liquid |
| Odor                     | Slight – orange    |
| Foaming tendency         | Moderate           |
| pH (concentrate)//4% v/v | 10.1-10.5//9.1-9.5 |

## Operating Conditions

|               | Range                             | Optimum                |
|---------------|-----------------------------------|------------------------|
| Concentration | 4-8 fl. Oz./gal.                  | 6 fl. oz/gal (47 ml/L) |
| Temperature   | 145°F – 155°F<br>(63°C – 68°C)    | 150°F<br>(66°C)        |
| Time          | Automated cycle                   | As required            |
| Agitation     | Ultrasonics and periodic rotation | As required            |

Above operating temperature of 165°F, some of the active surfactants and wetting agents may oil out, forming a surface slick. Therefore, avoid temperatures above 165°F.

### Equipment

|             |                                                                 |
|-------------|-----------------------------------------------------------------|
| Tank        | Stainless steel preferred                                       |
| Heater      | Steel coil, steel immersion type, steam fed, or gas fired ???   |
| Ventilation | Mechanical to maintain levels below permissible exposure limits |
| Agitation   | Ultrasonics, vertical agitation (minimize foaming)              |

### Solution Make-Up:

Be sure the process tank has been drained and cleaned. Fill to within two thirds of final operating volume with clean, warm water (100°F – 120° F, 38°C – 49°C). Add the prescribed volume of ALCLENE NLF202A-L (optimal concentration of 6 fl. Oz./gal.). After the required volume of ALCLENE NLF202A-L has been added, adjust final solution operating volume and temperature.

### Product Profile

|                            |                          |
|----------------------------|--------------------------|
| Caustic                    | No                       |
| Phosphate                  | No                       |
| Silicate                   | Yes (potassium silicate) |
| Complexors                 | No                       |
| Chelates (EDTA, NTA types) | Yes                      |

## Waste Disposal

ALCLENE NLF202A-L and it's working solutions are slightly alkaline. They may be neutralized with acid to meet local POTW or municipal effluent discharge requirements. Sludges and oils should be separated out before discharge. Therefore, additional treatment of the solution may be required to meet discharge requirements.

## Caution

ALCLENE NLF202A-L contains Potassium Silicate. Consult ALCLENE NLF202A-L SDS before handling this product. It should be handled with all the safety precautions associated with Potassium Silicate.



### Hazard Classification

|                   |                |
|-------------------|----------------|
| DOT Hazard Class  | Not Classified |
| DOT Shipping Name | NA             |
| UN Number         | NA             |
| Packaging Group   | NA             |
| Guide Number      | NA             |

**WARRANTY:** THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

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For more information on this process,  
please call us at 203.756.5521 or email: [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)

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