

ALCLENE TCR158-L

ALCLENE TCR158-L is a low foaming alkaline product developed to aid in removal of various tape adhesives that can transfer to the surface of stainless steel medical devices (example cannula) during the varied stages of production. In addition to the enhancement of tape adhesive removal using ultrasonic cleaning methodology, product will also remove fabricating oils, and other soils that may contaminate the surfaces during production. Should not be used for cleaning aluminum or zinc as etching will likely occur. Not recommended for use with brass or copper as darkening of the metal may occur.

Features & Benefits

Rapid, efficient cleaning in combination with ultrasonic cleaning methodology	Removes stamping, forming, cutting and will aid in dissolving process tape adhesives
Excellent oil emulsification at recommended operating conditions	Displaces oils on cooling

Physical Data

Appearance	Clear Amber Liquid
Odor	Slight
Foaming tendency	Low (operating temperature)

Operating Conditions

	Range	Optimum
Concentration	7.7-10.2 fl. Oz./gal.)	9 fl. oz/gal (68 g/L)
Temperature	145°F – 155°F (63°C – 68°C)	150°F (66°C)
Time	Automated cycle	As required
Agitation	Ultrasonics and periodic rotation	As required

Note: Below 140°F (60°C), some oils will become displaced in the ALCLENE TCR158-L working cleaner bath. If a lower operating temperature is required with emulsification of oils, your Hubbard-Hall technical representative will be pleased to recommend a suitable soak cleaner for this purpose.

Above 15 oz/Gal (112.5 g/L), some of the active surfactants may oil out at operating temperature when the solution is idle, forming a surface slick. Therefore, concentrations of ALCLENE TCR158-L above 14 oz/Gal (105 g/L) should be avoided.

Equipment

Tank	Mild steel, stainless steel, reinforced polypropylene, or fiberglass
Heater	Steel coil, steel immersion type, steam fed, or gas fired
Ventilation	Mechanical to maintain levels below permissible exposure limits
Agitation	Stirrer, pump, work movement, or mild air

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). With good solution stirring, gradually add the required amount of ALCLENE TCR158-L. After the required amount of ALCLENE TCR158-L has been added and mixed, adjust final solution operating volume and temperature.

Soak Cleaner:

ALCLENE TCR158-L is an emulsifying soak cleaner at the recommended operating temperature range. On cooling, a substantial volume of the oils may be released. Therefore, skimming the cleaner to remove oils is recommended. Solutions of ALCLENE TCR158-L are also compatible with coalescent and oil removal filters. A process tank fitted with an overflow weir or dam is also recommended. At some point during the bath life, the buildup of oil and grease contaminants will effectively saturate it, beyond which maintenance additions or filtration will not maintain desired performance. When this occurs, the cleaner should be replaced with a new solution. Your Hubbard-Hall technical representative will be glad to help determine optimum bath life.

Product Profile

Caustic (potash)	Yes
Phosphate	Yes
Silicate	No
Complexors	Yes



Chelates (EDTA, NTA types)

No

Waste Disposal

ALCLENE TCR158-L and its working solutions are 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. Spent ALCLENE TCR158-L solutions may contain dissolved metals from the cleaning process. Therefore, additional treatment of the solution may be required to meet discharge requirements.

Caution

ALCLENE TCR158-L contains Potassium Hydroxide. Consult ALCLENE TCR158-L SDS before handling this product. It should be handled with all the safety precautions associated with potassium hydroxide.

Hazard Classification

DOT Hazard Class	8 (Corrosive Material)
DOT Shipping Name	CORROSIVE LIQUID NOS (POTASSIUM HYDROXIDE)
UN Number	1760
Packaging Group	II
Guide Number	154

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.

Our People. Your Problem Solvers.

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

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶