

## DARACLEAN® 121 AQUEOUS CLEANING SOLUTION

### General Description:

DARACLEAN® 121 is a mild, neutral cleaning solution designed for use on a broad spectrum of soils.

### Composition:

DARACLEAN® 121 is formulated with a blend of surfactants and corrosion inhibitors. It is effective on most surfaces and all components are FDA approved for indirect contact with food.

### Soil Rejecting Properties:

DARACLEAN® 121 possesses excellent soil-rejecting qualities. After soils are lifted from part surfaces they are suspended in the cleaner for a short time. Over time, solids will settle out, and oil and grease droplets will coalesce and float on the surface of the solution. Removal of soils can easily be accomplished using filters or skimmers as necessary. This action extends the useful life of DARACLEAN® 121 much further than emulsion-type cleaning solutions.

### Application Method

DARACLEAN® 121 is designed to for use with hand, immersion and ultrasonic applications.

Cleaning Method	Concentration	Temperature	Typical Duration
Immersion	30 - 100%	Up to 160°F (71°C)	0.5 - 30 Minutes
Ultrasonic	30 - 100%	Up to 160°F (71°C)	0.5 - 30 Minutes
Spray	Not Recommended	Not Recommended	Not Recommended
Steam	10 - 30%	130 - 200°F (54 - 93°C)	0.5 - 5 Minutes
Hand Wipe	30 - 100%	Ambient	As Required

*Operating parameters should be optimized for each individual application.*

### Industrial Strength:

DARACLEAN® 121 has proven ability at removing food grade lubricants, machining fluids, lube oils, motor oils, and buffing compounds. Using mild, neutral surfactant chemistry, oils and solids are broken down and pulled free from part surfaces. Foaming action allows the cleaner to penetrate into crevices and holes, while rinsing freely with no residue.

### Packaging:

55 Gallon Drum (208 Liters) Part Number: 01-6140-45

## DARACLEAN® 121 Properties

pH Level	13-14	Caustic	Higher pH cleaners are more aggressive and will clean tougher soils but high pH levels can also corrode or etch soft metal surfaces.
	11 - 13	High Alkaline	
	9 - 11	Alkaline	
	7 - 9	Neutral	
Foam Level	High		High foam levels will penetrate cracks and holes better but foam cannot be tolerated in spray applications.
	Moderate		
	Low		
Silicates	Yes	No	Silicates prevent corrosion of metal surfaces but can form mineral films at high temperatures.
Phosphates	Yes	No	Phosphates provide excellent cleaning action but are subject to environmental regulations.
Hard Water tolerance	High		Hard water can suppress cleaning actions. Some cleaners are formulated to counteract hard water effects.
	Moderate		
	Low		
Aerospace Compliant	Yes	No	See Specification Compliance.
SCAQMD Certified	Yes	No	VOC (10%) 1.7 g/L.

Correct Application

## DARACLEAN® 121 Applications

	Aluminum	Anodized Aluminum	Brass & Bronze	Carbon Steel & Cast Iron	Copper	Magnesium	Nickel & Superalloys	Plating (Cd, Cr, Ir, Pt)	Stainless Steel	Titanium	Zinc
Excellent	••••										
Good	•••										
Fair	••										
Poor	•										
Not Recommended											
Water-Soluble Oils	••••	••••	••••	••	••••	••••	••••	••••	••••	••••	••••
Machining Fluid	••••	••••	••••	••	••••	••••	••••	••••	••••	••••	••••
Synthetic Coolants	•••	•••	•••	••	•••	•••	•••	•••	•••	•••	•••
Medium Weight Oils	•••	•••	•••	••	•••	•••	•••	•••	•••	•••	•••
Lube Oils	•••	•••	•••	••	•••	•••	•••	•••	•••	•••	•••
Buffing Compounds	•••	•••	•••	••	•••	•••	•••	•••	•••	•••	•••
Motor Oils	•••	•••	•••	••	•••	•••	•••	•••	•••	•••	•••
Heavy Petroleum Oils	•••	•••	•••	••	•••	•••	•••	•••	•••	•••	•••
Carbonized Soils											
Railroad & Axel Grease	•	•	•	•	•	•	•	•	•	•	•
Glues	•	•	•	•	•	•	•	•	•	•	•
Spray Adhesives											



NFPA Rating (Concentrate)



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