

# BLUE SKY INDUSTRIAL CLEANER

AQUEOUS MILDLY ALKALINE CLEANER

## ▶ PRODUCT DESCRIPTION

**Blue Sky Industrial Cleaner** is an economical, water-based mildly alkaline cleaner that is designed to be utilized as an all-purpose process cleaner for a variety of ferrous and non-ferrous metals as well as non-metallic substrates.

Blue Sky Industrial Cleaner offers outstanding cleaning performance over a wide temperature range and is highly effective at liberating and removing hydrocarbon oil-based soils and contaminants from a variety of surfaces. Blue Sky Industrial Cleaner dilutions exhibit an ultra-low interfacial tension value which allows the cleaner to wet-out and cover extremely fouled surfaces. This outstanding performance feature allows the surfactant technologies in Blue Sky Industrial Cleaner to effervesce contaminants immediately from the treated substrate without actually emulsifying the soils or contaminants. First and foremost, this unique performance property then allows the cleaner solution to pop-out and reject soils and contaminants to the surface of the cleaner solution. Soils and contaminants can then be quickly skimmed and separated from the cleaner solution. Blue Sky Industrial Cleaner is completely free of all phosphates and silicates. Blue Sky Industrial Cleaner solutions offer excellent low temperature cleaning properties from 100 to 120°F (38° to 49°C) and are effective at temperatures up to 150°F (66°C). Not for use in enclosed spray washers.

## ▶ FEATURED BENEFITS

- Balanced surfactant system for outstanding cleaner performance
- Cleaner solutions effervesce and lift oily contaminants from substrate surfaces
- Silicate and phosphate free
- Effective performance in both immersion systems and manual spray applications
- Excellent self-cleaning properties allow for extended solution life and recycling
- Low interfacial tensions for cleaner solutions allow for rapid wetting and coverage on complex substrates and surfaces

## APPLICATION



### COMPATIBLE METALS

Steel  
Aluminum  
Galvanized Steel  
Painted surfaces

### OPERATION/APPLICATION METHOD

Spray Wand  
Floor Machine

### OPERATING TEMPERATURE

Ambient

### RECOMMENDED DILUTION RANGE

5 – 10% v/v

### FOAMING CHARACTERISTICS

Low

### RUST PROTECTION

Provides in-process corrosion protection, for corrosion protection in storage or shipping, a long-term rust preventative should be applied.



# BLUE SKY INDUSTRIAL CLEANER

## TECHNICAL DATA

### TYPICAL PROPERTIES

Fluid Type	Aqueous surfactant solution
Appearance	Blue and clear fluid
Odor	Mild and sweet
Specific Gravity, 77°F (25°C)	1.03
pH (concentrate)	11
pH (5% dilution)	10
Flash Point, COC	>220°F (>104°C)

### PRODUCT APPLICATION / USAGE

Blue Sky Industrial Cleaner is recommended for light to heavy cleaning applications on all ferrous and non-ferrous metals. For immersion systems, a starting concentration of 4% for light soils and 6% for heavy soils (heavy oils and greases) is recommended with operating temperatures from 100 to 150°F (38° to 66°C). Manual spray applications should commence at 4– 6% at operating temperatures from 110-140°F (43° to 60°C). Blue Sky Industrial Cleaner can also be used as a floor cleaner for automatic floor scrubbers and as a general parts cleaner for both manual and automated applications. Contact your Chemtool Incorporated sales engineer for additional technical assistance.

### MIXING DATA

Concentration control is easily maintained with a hand held refractometer or Chemtool titration kit.

Concentration	10%	7%	5%	4%	3%	2%	1%
Alkalinity (factor = 0.45) Titration Test Kit (# drops 0.5 N HCl)	3	3	2	1	1	1	1
Refractometer Reading	1.0	0.8	0.6	0.5	0.4	0.2	0.1

### PRODUCT CODE

4142500000

### HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).



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