

HYDROSOLV 57

LIQUID ALKALINE SPRAY CLEANER

▷ PRODUCT DESCRIPTION

Hydrosolv 57 is a heavy duty concentrated liquid alkaline cleaner used primarily in industrial applications for in-process cleaning of ferrous metals. Using the latest additives for detergency and wetting available, Hydrosolv 57 offers exceptional cleaning properties for the removal of most industrial contaminants, particularly smut and fine particulate entrained into the substrate's surface. If you do not rinse parts after cleaning, residual films of Hydrosolv 57 can provide indoor corrosion protection for parts in between machining processes.

▷ FEATURED BENEFITS

- Extremely low foaming characteristics ideal for high-pressure washers
- Imperceptible thin film corrosion preventative offers superior rust protection and weldable surface
- Exceptional hard water stability keeps washers clean and maintenance free
- Lean concentrations assure low consumption and cost effectiveness
- High detergency/surfactant package providing added cleaning power beyond alkalinity
- Contains no nitrites or silicones
- Contains phosphate

APPLICATION



COMPATIBLE METALS

Cast Iron
Carbon Steel
Tool Steel
Stainless Steel

OPERATION/APPLICATION METHOD

Spray
Immersion Tank/Agi-Lift

RECOMMENDED OPERATING TEMPERATURE

140° to 160° (60° to 71°C)

RECOMMENDED DILUTION RANGE

5 – 15% v/v

FOAMING CHARACTERISTICS

Low

RUST PROTECTION

Limited Indoor



TYPICAL PROPERTIES

Fluid Type	Alkaline cleaner
Appearance	Clear green liquid
Specific Gravity, 60/60°F (15.6/15.6°C)	1.09
Weight, 60°F (15.6°C)	9.01 lbs/gal.
pH (5% dilution)	11.5 – 12.5
Foaming Tendency	Low

PRODUCT APPLICATION / USAGE

Hydrosolv 57 leaves a thin, transparent rust proofing film which will not only prevent problems with subsequent gauging on critical dimensions but will not show any white residue on highly finished surfaces.

The corrosion resistance provided by Hydrosolv 57 is accomplished without the use of oils, nitrates, or chromates. Even though the residual film is so thin that it is almost imperceptible, it should provide protection for up to one month of indoor storage.

Hydrosolv 57 is ideally suited for facilities requiring a high degree of cleanliness on their ferrous materials such as internal engine components. Hydrosolv 57 should always be added to the water in the washer.

Operation	Temperature	Cast Iron Ferrous Alloys	Aluminum Alloys
Spray washer	140° to 160°F (60° to 71°C)	5 – 15%	NR
Immersion Tank/Agi-Lift	140° to 160°F (60° to 71°C)	5 – 8%	NR
Ultrasonic Bath	140° to 160°F (60° to 71°C)	5 – 8%	NR

MIXING DATA

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

Concentration	6%	4%	2%
Alkalinity (factor = 0.22) Titration Test Kit (# drops 0.5 N HCl)	27	18	9
Refractometer Reading (factor = 2.2)	2.5	1.8	1.0

PRODUCT CODE

8400000000

HEALTH AND SAFETY

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