

LARZIP 30

HEAVY DUTY FERROUS CAUSTIC CLEANER AND RUST REMOVER

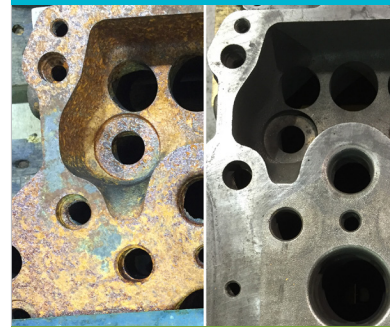
▶ PRODUCT DESCRIPTION

Larzip 30 is a highly caustic, highly concentrated alkaline cleaner and rust stripper. Larzip 30 is recommended for use on steel substrates. Larzip 30 is also highly effective for carbon removal, rust removal, paint stripping (with a solvent additive –10% Paint Strip Additive) and zinc phosphate removal. Paint removal properties accelerated with the addition of Elimicote Additive PR/LAC Additive BA at 4%-15% The residual films of Larzip 30 can provide flash rust protection for short term in-process corrosion protection for parts in storage and during shipping.

▶ FEATURED BENEFITS

- Improved rust removal with “chelating” action
- Excellent carbon removal
- High temperature stable/hard water stable
- Low foaming for use in high pressure spray cabinets
- Increased detergency for oil and grease removal (with DAC 900)
- Flash rust and corrosion protection
- Excellent oil rejection
- Softens and loosens paint (accelerated with addition of Elimicote Additive PR/LAC Additive BA.)

APPLICATION



COMPATIBLE METALS

Cast Iron
Carbon Steel
Tool Steel
Stainless Steel

APPLICATION METHOD

Enclosed Spray Washer
Immersion Tank
Agi-Lift

OPERATING TEMPERATURE

140° – 180°F (60° – 82°C)

DILUTION RANGE

5 – 60% v/v

FOAMING CHARACTERISTICS

Very low to none

RUST PROTECTION

Short term



TYPICAL PROPERTIES

Fluid Type	Strong caustic cleaner/rust stripper
Appearance	Clear yellow liquid
Odor	Mild
Specific Gravity, 60°F (15.6°C)	1.47
Weight, lb/gal., 60°F (15.6°C)	12.25
pH (1% dilution)	14.0
Foaming Tendency	Very low to none

PRODUCT APPLICATION / USAGE

Larzip 30 is recommended for enclosed high pressure washer spray systems. For added detergency, DAC 900, a low foaming detergent additive, should be used with Larzip 30. Consult your technical representative for usage instructions.

Larzip 30 is recommended for use at elevated temperatures (160-180°F) for the most effective cleaning and rust removal. Larzip 30 is ideally suited for facilities requiring a high degree of cleanliness on their ferrous materials. Larzip 30 should always be added to the water in the washer.

Operation	Temperature	Cast Iron, Steel, Ferrous Alloys	Rust Stripping/Reman Parts Cleaning	Aluminum Alloys
Spray Washer	140° – 180°F (60° – 82°C)	5 – 25%	30 – 60%	Not Recommended
Immersion Tank/Agi-Lift	140° – 180°F (60° – 82°C)	5 – 25%	30 – 60%	Not Recommended

Recommended Operating Parameters for Larzip 30 and Elimicote Additive BA/LAC Additive BA

Degree of rust, paint, carbon	Spray				Immersion (limited agitation)			
	Larzip 30	Elimicote Additive BA /LAC Additive BA	Temperature	Time	Larzip 30	Elimicote Additive BA /LAC Additive BA	Temperature	Time
Light	5%	5 – 7%	140°F (60°C)	10 minutes	5%	5 – 7%	140°F (60°C)	15 minutes
Medium	5 – 8%	5 – 7%	140°F (60°C)	10 – 15 minutes	5 – 10%	5 – 7%	158°F (70°C)	15 – 30 minutes
Large	8 – 12%	10%	158°F (70°C)	11 – 45 minutes	10 – 40%	10%	158°F – 176°F (70° – 80°C)	11 – 45 minutes

All recommended operating parameters are based on previous trials and should be used as a guide when setting up a wash process. Start at the lower end of the concentration and time recommendations to avoid any darkening of the metal being washed and to evaluate the most efficient process.

MIXING DATA

Larzip 30 concentration is best monitored by means of a Chemtool Total Alkalinity Titration Kit, Refractometer, or buret style acid base titration method.

Concentration	50%	40%	30%
Free Alkalinity, 5.0ml bath, 25 ml DI water, pth, 1.0N HCL %v/v Conc.=1.818 (ml Titr.) – 1.2076	28.2	22.7	17.2
Total alkalinity, 5.0ml bath + 25ml DI Water, bcg/mo, 1.0N HCl %v/v Conc.=1.7542 (ml Titr.) – 0.2883	28.7	23.0	17.3

PRODUCT CODE

4121010000

HEALTH AND SAFETY

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