

## A COMPARISON - HoldTight7102 and Chlor\*Rid

	HoldTight7102 (Salt Remover & Rust Inhibitor)	Chlor*Rid (Salt Remover)
1.	<b>Description:</b> <i>HoldTight7102</i> is a water soluble salt remover and corrosion inhibitor that prevents flash rusting. Can be applied on wet-abrasive and water-blasted steel surfaces and on dry blasted surfaces in a pressurized wash down. It leaves no residue on the surface. [ <i>HoldTight7102</i> Product Sheet]. Any recognized surface contamination test may be used to verify the product's performance.	<b>Description:</b> <i>Chlor*Rid</i> is a water soluble salt remover. It does not prevent flash rusting and can be applied to wet, wet abrasive, and dry blasted surfaces. It does not leave any residue or film after use; surfaces can be coated after its use. [ <i>Chlor*Rid</i> Technical Data] Some authorities have expressed concern about the conductivity of <i>Chlor*Rid</i> treated surfaces, since conductivity may harm adhesion. <i>Chlor*Rid</i> recommends against conductivity tests.
2.	<b>Application:</b> <i>HoldTight7102</i> is diluted (injected by pump or pre-mixed) in the blast water (potable) at 200:1 to 50:1 and 50:1 in the rinse down. It can also be used in dry blasting after the blast, or after hand cleaning in a pressurized rinse down (50:1). Rinse downs should be at 500 psi or higher at 2 to 3 gpm flow rate. [ <i>HoldTight7102</i> Product Sheet]	<b>Application:</b> After the original blasting (wet, wet-abrasive, dry blasting and hand cleaning), apply this diluted solution of <i>Chlor*Rid</i> mixed potable water at 1:50 (or as high as 1:100) at 3000 psi minimum pressure. Hot water, along with high pressure, will speed chemical reaction times. [ <i>Chlor*Rid</i> Technical Data]
3.	<b>Contaminant Removal:</b> <i>HoldTight7102</i> acts as a wetting agent when mixed with water. It reduces the surface tension and causes complete wetting of the blasted surface. With the water, it reaches and, therefore, dissolves virtually all soluble contaminants, e.g., chlorides, sulfates, phosphates, etc., and washes away all the rest. Then <i>HoldTight7102</i> evaporates rapidly, taking with it all remaining moisture, including the rest of the dissolved contaminants. It leaves the surface completely dry, ready to be coated. It leaves no residue. [ <i>HoldTight7102</i> Technical Bulletin]	<b>Contaminant Removal:</b> It strips chlorides and sulfates from industrial surfaces by ionization energy process. Chemicals in the <i>Chlor*Rid</i> solution bonds with chloride and sulfate ions, removing them from the surface. <i>Chlor*Rid</i> complexes with the salt ions upon contact, forms a permanent bond, and salts move off in the spent wash water. Then protective coating can be applied. [ <i>Chlor*Rid</i> FAQ - web site]
4.	<b>Flash Rust Control:</b> <i>HoldTight7102</i> prevents flash rusting and holds a white metal surface for a minimum of 24 hours, often 48 hours or more, after the surface has been dried, as long as water and other contaminants are not re-introduced by rain, heavy dew, or other atmospheric events. [ <i>HoldTight7102</i> Technical Bulletin]	<b>Flash Rust Control:</b> <i>Chlor*Rid</i> does not prevent flash rust from occurring on a dry or wet blasted surface. [ <i>Chlor*Rid</i> FAQ - web site]
5.	<b>Drying Time:</b> <i>HoldTight7102</i> , after use in any application, dries the substrate rapidly. It entirely volatilizes itself and takes with it virtually all the moisture left on the surface after rinse down. Therefore, there is less drying time required before painting after using <i>HoldTight7102</i> . [ <i>HoldTight7102</i> Technical Bulletin]	<b>Drying Time:</b> Blasted surfaces treated with <i>Chlor*Rid</i> require additional drying time before the coating is applied. [ <i>Chlor*Rid</i> Technical Data]
6.	<b>Physical &amp; Chemical Properties:</b> Appearance & odor - clear liquid - light pleasant odor pH - 10.2 (product is applied after dilution at pH 7.0) Specific Gravity - 1.0304 Biodegradable Non-Flammable Non-Hazardous [ <i>HoldTight7102</i> MSDS]	<b>Physical &amp; Chemical Properties:</b> Appearance & odor - blue-green - very mild like burnt sugar pH - 3.3 Specific Gravity - 1.01 Biodegradable Non-Flammable Non-Hazardous [ <i>Chlor*Rid</i> MSDS]
7.	<b>Approvals:</b> Ameron, Arco (Vickers), Carboline, Hempel, International (Courtaulds), Lord Elastomers, Polybrid, Sherwin-Williams, Sigma, Tnemec, Valspar, Wisconsin Protective, PPG, Dampney, and others (call for details). [ <i>HoldTight7102</i> Coating Compatibility Chart & supplements]	<b>Approvals:</b> Wisconsin Protective, Advanced Polymer, Tnemec, Premite, Wasser. [ <i>Chlor*Rid</i> Approvals - web site]
8.	<b>Dilution &amp; Price:</b> <i>HoldTight7102</i> is diluted 250:1 to 50:1 depending on application requirements. It is priced between US\$40.00 and US\$25.00 per gallon depending on quantity and type of container. [ <i>HoldTight7102</i> Price Sheet & supplements]. There are many distributors.	<b>Dilution &amp; Price:</b> <i>Chlor*Rid</i> is mixed with potable water at 1:50 to 1:100 ratio. It sells at US\$65.50 per gallon in 5-gallon pails and US\$62.90 per gallon in 55-gallon drums. [ <i>Chlor*Rid</i> Price Sheet] There are some quantity discounts.

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