

CHEMICAL PRODUCTS
FOR HOT DIP
GALVANIZING LINES

WITH AN ATTENTIVE
EYE TO NATURE



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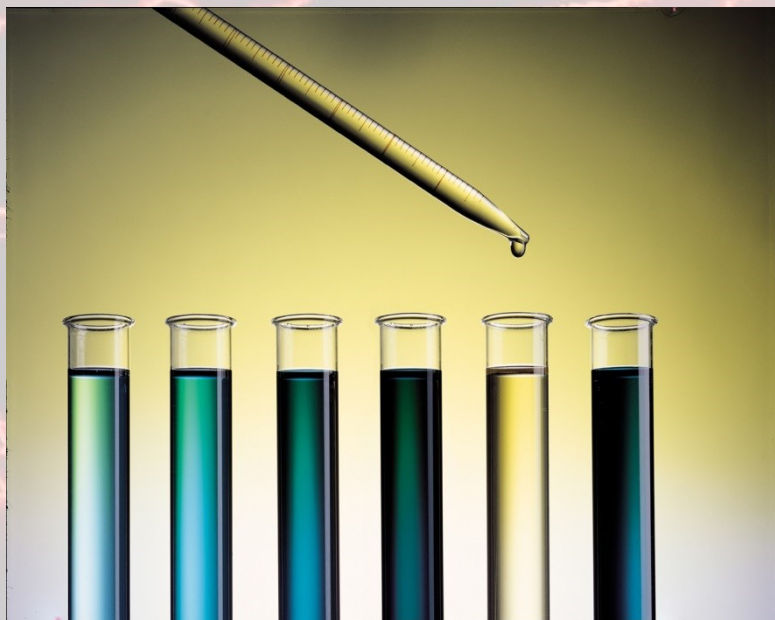
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CHEMICAL PRODUCTS FOR HOT DIP GALVANIZING LINES

Condoroil Chemical, present on the market of metal surface treatment for over 40 years, has carried out, during these latest years, a series of innovative and highly performing products to be used in hot dip galvanizing lines.

You will find here the main products series developed and divided into typology of treatment

Moreover, Condoroil Chemical produces chemicals for water treatment for the following applications:



Water boiler conditioning

- Alkalizing
- Dispersing agents
- Antiscaling agents
- Corrosion inhibitors
- Decontamination products
- Biocides

Closed loop and cooling towers

- Antifouling
- Corrosion inhibitors
- Dispersants
- Biocides

Waste water treatment

- Coagulating products
- Flocculating products
- Anti foam
- Absorption powders
- Specific reactives

Reverse osmosis units

- Cleaners
- Preservatives
- Antiscaling agents
- Sanitizers



	PRODUCTS	CHARACTERISTICS
DEGREASING	CONDORINE HDG 15	Acid degreaser, phosphoric and hydrochloric based formula, used to clean the metal surfaces before the pickling operation. Condorine HDG 15 is usually strong enough to clean very dirty surfaces. In case of need it is possible to increase its degreasing capacity adding the MIX CM.
	CONDORINE HDG 18	Acidic degreaser, phosphoric acid formula, free of hydrochloric acid.
	ADDITIVE MIX CM	Concentrated compound of surfactant it can be added to the degreasing bath to increase its efficiency. Alternatively, to reduce its consumption, it can be applied manually (with a spray applicator or with a brush) on the very dirty surfaces before degreaser step.
PICKLING with HCl	SAFE SC 26	Corrosion inhibitor, when added to the pickling bath, it reduces the metal etching and promote the oxides dissolution. Using the SAFE SC 26 the metal increasing in the bath, the acid consumption and the waste acid to dispose are reduced. Advised concentration: 0,3-0,5%.
	FLUIDIFICANTE P 17	Emulsifying agent, when added to the pickling bath, emulsifies the oil that eventually floats on the surface avoiding it sticking again on the clean surface. Advised concentration: 0,05 – 0,1%.
	FOAMING 2000	Foaming agent, when added to the pickling bath, forms a steady and compact foam layer on the surface that reduces the HCl gas emission. Advised concentration: 0,1 ÷ 0,2%.
	MIX PK 9	Multipurpose compound has the characteristics of the last three products, as to say it is a corrosion inhibitor, an emulsifying agent and it creates superficial foam. Advised concentration: 0,3 ÷ 0,5%.



	PRODUCTS	CHARACTERISTICS
FLUXES TANK	ADDITIVE MIX FX 12	Powder buffering additive. It is used to control the flux bath acidity increasing. It contains antisticking additives.
	FLUSSANTE FLUX 14	Liquid flux, ammonium and zinc chloride based formula. The product contains antifumes additives.
	FLUSSANTE FLUX 15 P	Analogues to Flux 14 this product is supplied in powder. It contains antisticking additives.
	ADDITIVE HDG 18	Wetting additive for flux tank. The adoption of this additive improve the smooth & uniform flux salts layer on the treated component surface, allowing a better protection and process.
	OSSIDANTE OX 53	Liquid product used in the removal of the iron contamination, in the fluxes bath, with the use of our Recoflux unit.
COOLING TANK	CONDORHIBIT CR09	Condorhibit CR 09 avoid the formation of scale inside the cooling tank. Advised concentration: 0,1%.
PASSIVATION TANK	CONDORCOAT EC 900	Fluozirconium based product prevents the white rust formation. It has to be used at a concentration of 1 ÷ 2% in demi water. The product increases also the corrosion resistance performance of the surface if painted and the paint adhesion.
	CROMCOAT CR 644 GALV	Cromocoat CR 644 is Chromium VI and fluoride free passivating agent suitable for galvanized substrates. It guarantees a corrosion resistance higher than the usual market requests for temporary protection.
	CONDORCOAT ZN 113	Condorcoat ZN 113 is a liquid, organic, chromium-free passivating agent for hot galvanised substrates. The coating layer obtained increase the corrosion resistance and promote paint adhesion.
REPAIRING/MAINTENANCE	ZINC SPRAY	Aerosol for the cold and local deposition of a zinc protective layer.