

 STEEL

North American Headquarters
Quaker Chemical Corporation
One Quaker Park
901 E. Hector Street
Conshohocken, PA 19428-2380
U.S.A.
+1.610.832.4000

European Headquarters
Quaker Chemical B.V.
Industrieweg 7
1422 AH Uithoorn
The Netherlands
+31.297.544644

Asia/Pacific Headquarters
Quaker Chemical (China) Co., Ltd.
No. 619 TianYing Road
Qingpu Industrial Park
Shanghai 201700
People's Republic of China
+86.21.3920.1666

South American Headquarters
Quaker Chemical Indústria e Comércio Ltda.
Avenida Brasil, no 44.178
Distrito Industrial de Campo Grande
23.078-000 - Rio de Janeiro - RJ
Brazil
+55.21.3305.1800

quakerchem.com



Galvanize
Product Line

Galvanize Product Line

APPLICATION	PRODUCT	TECHNOLOGY	BENEFITS
CORROSION PREVENTIVES			
In-process or final protection for medium to long-term indoor storage protection of metal surfaces	FERROCOTE® 61A US	Mineral Oil	Meets SCAQMD Rule 1144 requirements, specified and used by steel mills and automotive approved, used to treat wet parts with no loss of protection, passes MIL-C-16173 requirements, provides protection against humidity and acidic atmospheres, the protection is equivalent to 15 days in the JAN H-792 Cabinet, non-staining. Provides excellent resistance to stain and varnish, passes MIL-C-22235 Type A specification, provides versatility in a single product to protect many metals
In-process or final protection for medium to long-term indoor storage protection of metal surfaces	FERROCOTE® EGL 1	Mineral Oil	Increased humidity protection in more humid and higher temperature climates, increased robustness to wet-temper carry through, ease of cleanability, approved by GM, Ford, Chrysler, Nissan, Mitsubishi. Developed from the same chemistry as FERROCOTE 61A-US but with enhanced humidity protection with all of the expected process compatibility of FERROCOTE 61A US
Flexing, blank washing, blanking, stamping, and drawing of sheet and blanks. Also in process protection during storage and transport	FERROCOTE® 61 MAL HCL 1	Mill Applied Lubricant	System of high film strength synthetics in combination with organic corrosion inhibitors for use on ferrous and non-ferrous surfaces, contains extreme pressure and polar additives for both E.P. lubrication and acid atmosphere protection, used for coating coils at all mill speeds and can be stacked or coiled immediately after application, contains small quantities of emulsifiers for ease of removal in industrial cleaning lines
Indoor storage protection of ferrous and non-ferrous surfaces	FERROCOTE® VO 40 HF	High Flash Solvent Vanishing Oil	Low VOC at ambient operating conditions, no RCRA reportable substances such as heavy metals (i.e.- barium), thin film offers excellent protection against high humidity, non staining on ferrous and non-ferrous surfaces, possesses BUTLER Building Materials approval for use on building/construction related steel, meets MIL-C-15074 specification - Finger Print Neutralization, meets MIL-C-16173 specification - Water Displacement, high flash point
Non-migrating, corrosion and stain protection for coils traveling from metal producers of coating facilities to stamping plants	QUAKER DRYCOTE® Series	Dry Film Lubricant	Superior corrosion and stain protection, delivers metal with a consistent coating weight across the strip, excellent lubrication properties on both aluminum and steel, minimization/elimination of blankwashing or other spot lubricants used at the press line, due to consistent film properties and low COF, elimination of dripping coils at mills, more efficient destacking of blanks (elimination of suction effects of oiled blanks), no heavy metals or chlorine, compatible with downstream processes: Cleans off in preclean and phosphating systems, does not cause e-coat cratering or other defects; weldable; can be used with a variety of current adhesives
CLEANERS			
Cleaning and removal of solids from the surface of full hard steel substrate	QUAKERCLEAN® 5660-ENV	High Solids and Alkaline	Low usage rates due to high alkalinity and high solids content, low voltage requirements in electrolytic cleaning systems, high pH for reaction (saponification) of incoming strip rolling oil residues, high conductivity to facilitate control of the working bath concentration, dispersion of iron fines to facilitate removal via magnetic separators, fewer rejects in galvanizing operations due to coating defects
Removal of metal surface defects such as rust, oxides, stains, sludges and inorganic salts	ACID CLEAN™ 508 GE	Acid-based	Low operating concentrations, may be used in spray washers in temperatures above 100°F, provides excellent rinsing properties under various water conditions, capable of removing a variety of constituents
Electrolytic and non-electrolytic cleaning lines	QUAKERCLEAN® 6800	Liquid Alkaline	Provides complete chemical removal of lubricants; iron soaps, metallic smut, and is formulated with low-foaming properties, even in the presence of rolling oil soaps, does not contain nitrites, or alkyl- phenolic type surfactants, and meets environmental regulations where prohibition of the use of phenolic surfactants is enforced
Housings, work rolls, and piping, as well as floor cleaning via the use of floor scrubbers or mops	QUAKER FORMULA™ 624-NEO	Multi-purpose Degreaser	No flash or fire points, safe in hazardous work areas, contains no chlorinated solvents, phenols, germicides, or bactericides, environmentally safe, free rinsing with minimal surface residue, low alkalinity, safe on metal surfaces, reduced corrosivity, may be used in some hand wiping operations, high detergency, easy removal of grease and oils from hard surfaces, pleasant citrus odor
SURFACE TREATMENT			
Zinc or zinc-alloy coated surfaces during in-house storage and / or transportation to customer's site	PRIMECOAT™ HC 360	Fluoride Free Chromium Passivation	Excellent corrosion protection, especially at higher coating weights, transparent appearance even at higher coating weights, extremely low operational cost when compared to other passivates or TOC's, very good paint adhesion with approved systems, fluoride free reducing equipment corrosion and sludge formation
Corrosion protection on zinc / zinc-alloy coated steel strip	PRIMECOAT™ Z 806 VF	Chrome Free Passivation Product (zero-chrome based)	No toxic ingredients: chrome and fluoride free, excellent appearance even at higher layer weights, good corrosion protection, especially at higher layer weights, good paint adhesion at coating weights up to 100 mg Phosphor / m2, excellent lubrication: reduces galling in deep drawing operations
Corrosion protection of zinc and zinc-alloy steel strip	PRIMECOAT™ Z 838-4	Fluoride Free and Chromate Free Passivation Product	Excellent corrosion protection, surpassing that of hexavalent chrome passivation, RoHS Compliant, excellent appearance even at higher coating weights, very good adhesion to most paint and adhesive systems, excellent lubrication to reduce galling in deep drawing operations
Corrosion protection of zinc and zinc-alloy steel strip	PRIMECOAT™ HC 746	Chromium Thin Organic Coating	Excellent corrosion protection, especially on galvalume, anti-fingerprint, transparent coating, excellent lubrication for improved formability, no equipment corrosion or zinc dissolution due to slightly alkaline pH, improved paint adhesion, very low chrome leaching
HYDRAULIC FLUIDS			
Hydraulics	QUINTOLUBRIC® 888	HFD-U: Polyol Ester Based	Excellent lubrication, excellent shear stability, fire resistant, simple waste treatment
Hydraulics	QUINTOLUBRIC® 702-46 RD	HFC: Water Glycol	Maximum fire resistance, enhanced job site safety, reduced downtime, lower maintenance costs