



Since 1988



MAXWELL
ADDITIVES PVT. LTD.

AN ISO 9001:2015, ISO 14001:2015
ISO 15883, BS OHSAS 18001:2007
ISO 22000:2005 Certified Company

Product Catalogue Speciality Chemicals



Website : www.maxwelladditives.com

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Our Quality, Innovation & Commitment

Our success and growth is built upon a sound base of technical excellence, an innovative approach and a commitment to quality. In-house research and development has produced a unique range of products which offer significant benefits to industrial and commercial users of wide range of industries.

We believe innovation through partnership with our customers and suppliers which ensures we can meet whatever technical, environmental or regulatory challenges lie ahead.

Committed to mark our global existence by larger base of satisfied customers. developed by supplying quality products & services, we strive for higher level of satisfaction by continuous improvement in the related business process.

Mission

We continuously serves in the field of cleanliness drive which is very much inevitable for healthy and hazel free life with unique class of best quality.

Goal

Our Goal is to give the best quality products, at an affordable price, to keep our human folks as well as environment clean, safe and healthy.

By virtue of this, the company has been able to source the products at very competitive prices and can supply the same with guaranteed specifications and delivery commitments.



Oil & Gas Solutions

The comprehensive Maxwell Additives Pvt. Ltd. portfolio includes additives such as Corrosion Inhibitors, Biocides, Mud Cake Cleaners, Defoamers, Emulsifiers, Demulsifiers and Scale inhibitors.

Drilling under high temperature conditions requires intensive corrosion protection for which Maxwell Additives offers a special class of corrosion inhibitors. After a successful drilling job, Maxwell Additives flocculants are used to clean up spent drilling fluid and the waste mud pits. Maxwell Additives efficient cleaning agents do the same for drilling equipment.

We offer a broad portfolio of specialty chemicals designed to support and enhance the drilling process. The focus is on high performing, temperature stable, and contamination tolerant products for drilling fluid systems. Other additives are designed to minimize the loss of water from the drilling fluid to the formation (fluid loss additives) or prevent shale from swelling (shale inhibitors).

CORIN-ACI-100	Acid Corrosion Inhibitors
OLKLIN®-CIQUA-924	Corrosion Inhibitor for Hydro Testing
OLKLIN®-AC-101	Drilling Fluid Bactericide / Biocide
OLKLIN®-DFL	High Temperature Deflocculant
OLKLIN®-AC	Aldehyde, Amine & Non-Ald-Non-Amine Type Bactericides
OLKLIN®-MCC-1	Mud Cake Cleaner
OLKLIN®-DF	Silicon and non-silicon (Eco Friendly) based Defoamers
OLKLIN®-OSLH	Oxygen Scavengers
CORIN-HSS-1	H ₂ S Scavengers
OLKLIN®-9350	Antiscalants
OLKLIN®-DO	Deoilers
OLKLIN®-DS	Scale Cleaner
OLKLIN®-EML	Emulsifier
OLKLIN®-OSD Series	Application Specific Oil Soluble Demulsifiers
OLKLIN®-WSD Series	Application Specific Water Soluble Demulsifiers
OLKLIN®-MS	Mutual Solvent
OLKLIN®-SCL	Sludge Conditioner - Polymer Based
OLKLIN®-STR	Surface Tension Reducer
OLKLIN®-VES	Visco Elastic Surfactant
OLKLIN®-FAB	Flow Back Surfactant



Company Profile

Maxwell Additives Pvt. Ltd. is one of the leading manufacturers of speciality chemicals offering the broadest product range along with proactive, customer-oriented expertise.

Maxwell Additives is committed to provide best possible products with continuous R & D and we would like to do this in close co-operation with our customers and suppliers.

Maxwell Additives has a complete chemicals portfolio to support its customers in improving quality of their product, saving energy, as well as reducing overheads in all areas of industry.

The Maxwell Additives team has emerged to become the partner of choice in specialty distribution within the global economic area. Our strategic industry-focused development panels, currently covering six sectors (Phosphonates, Polymers, Water Treatment Chemicals, Oil & Gas Products, Corrosion Inhibitors, Detergent Additives) are essential to the delivery of effective and successful co-operation globally.

Maxwell Additives product range contains virtually all the chemicals used in the principal applications. In particular, the portfolio includes:

- Oil & Gas Products
- Corrosion Inhibitors
- Phosphonates
- Polymers as Water Treatment Additives
- Polymers as Textile Chemical Additives
- Benzalkonium Chloride (BKC)
- Sugar Processing Additives
- Industrial and Institutional Cleaners Disinfectant
- Hospital & Hygiene disinfectants
- Hatcheries, Poultries & Farm Cleaning Sanitizing Products
- Dairy Industry Cleaning & Sanitizing Products



Corrosion Inhibitor Series

It is recommended to use corrosion inhibitors in acid treatments, e.g. matrix acidizing, acid fracturing, or in sand control treatments. The use of highly acidic fluids leads to severe corrosion and Maxwell Additives offers a wide range of corrosion inhibitors that protect metal components in the wellbore or in coiled tubing from the corrosive nature of the fluid. Acidizing corrosion inhibitors must be able to mitigate corrosion in both low carbon alloy steels and high chrome steels, be stable in high acid concentrations and under high reservoir temperatures.

Maxwell Additives range of corrosion inhibitors, exhibits excellent inhibition on various metal types, under different temperature and in varying acid concentrations. Additionally, in less severe conditions (e.g. lower acid concentration and/or lower temperatures) this series can also be added directly to corrosive treating fluids to protect equipment.

CORINFILM-101	Film Forming Corrosion Inhibitors
CORIN-SFN	Amine Neutralizer
OLKLIN®-CI	Acid Corrosion Inhibitors for Low to High Temperature and Pressure
OLKLIN®-CIVES	Corrosion Inhibitor For VES
OLKLIN®-INCI	Intensifier For Corrosion Inhibitors
OLKLIN®-CIVI-2	Vanadium Inhibitor
OLKLIN®-OLCI	Oil Line Corrosion Inhibitors
OLKLIN®-GLCI	Gas Line Corrosion Inhibitors
OLKLIN®-RPC Series	Rust Preventive Coating Liquid (for various applications)

PHOSPHOMAN® Series of Organophosphonates

Since their introduction some decades ago, phosphonates have found multiple industrial applications, besides the original use as water treatment chemicals. Even today, new or modified uses are developed which clearly demonstrate the phosphonate's image as a multi-functional chemical tool for processes and problems associated with a variety of industrial uses such as scale & corrosion inhibitors, oil field formulation additives, peroxide bleach stabilization, scale controlling detergent formulations, chelating agents, etc.

A particular trait of the phosphonates (or phosphonic acids) is the existence of at least one functional group $-PO_3H_2$, attached to a carbon atom, within the organic molecule. The potential number of phosphonic acid groups depends on the chemical structure of the starting materials for the reaction. Despite those possible variations, phosphonates possess the following extraordinary intrinsic properties:

- High stability in aqueous systems
 - over the entire pH range
 - at high temperatures
 - at high pressures
- High negative charge density (poly electrolyte properties)
- Many functional groups for metal chelation
- Good solubility in aqueous systems
- Good compatibility with other components in formulations
- Good corrosion inhibition properties

The PHOSPHOMAN® range products are under organophosphonates group manufactured and marketed by MAXWELL ADDITIVES PVT. LTD.

This bulletin provides general data, physical, chemical and functional properties of: ?

- **PHOSPHOMAN®-230** Polyamino Polyether Methylene Phosphonic Acid – PAPEMPA
- **PHOSPHOMAN®-235** Diethylene Triamine Penta (Methylene Phosphonic Acid) - DTPMPA
- **PHOSPHOMAN®-111-C** 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid – HEDP
- **PHOSPHOMAN®-222-C** Amino Tri Methylene Phosphonic Acid - ATMP
- **PHOSPHOMAN®-333-C** 2- Phosphonobutane – 1,2,4 – Tricarboxylic Acid – PBTC
- **PHOSPHOMAN®-444-C** Morpholino Methylene Bis Phosphonic Acid (MMBPA)
- **PHOSPHOMAN®-555-C** Bis (Hexamethylene) Triamine (Pentamethylene) Phosphonic Acid - BHMPH
- **PHOSPHOMAN®-124** Penta Sodium Salt of Ethylene Diamine Tetra (Methylene Phosphonic Acid) – EDTMPA
- **PHOSPHOMAN®-224** HEMPA: Hydroxyethylamino-bis (Methylene Phosphonic Acid)



PHOSPHOMAN®-230 and Salts

Chemical Name: Polyamino Polyether Methylene Phosphonic Acid – PAPEMPA

PHOSPHOMAN®-230 is a new kind of water treatment agent. PHOSPHOMAN®-230 has high chelation and dispersion effects, high value of calcium tolerance, and good scale inhibition effects at severe conditions of pH, temperature and pressure.

PHOSPHOMAN®-235 and Salts

Chemical Name: Diethylene Triamine Penta (Methylene Phosphonic Acid) - DTPMPA

PHOSPHOMAN®-235 is safe, easy to be dissolved in acid solution. It has excellent scale and corrosion inhibition and good thermal tolerance ability. It can chelate with Fe, Cu, and Zn ions to form stable chelating compounds. It is the best silica inhibitor even at severe conditions. Stable with oxidizing agents like chlorine. It can dissolve the oxidized materials on these metals' surfaces. PHOSPHOMAN®-235 shows excellent scale and corrosion inhibition effects under very high temperature. It has good chemical stability under high pH value, hard to be hydrolyzed, and hard to be decomposed under ordinary light and heat conditions. Its acid/alkali and chlorine oxidation tolerance are better than that of other organophosphoric acids (salt).

PHOSPHOMAN®-235 can inhibit the scale formation of carbonate, sulfate and phosphate. In situation of alkali environment and high temperature (above 210°C) it has better scale and corrosion inhibition effect than other organophosphates.

PHOSPHOMAN®-111-C and Salts

Chemical name : 1-Hydroxy Ethylidene-1, 1-Diphosphonic Acid – HEDP

PHOSPHOMAN®-111-C is an organophosphonic acid traditionally used in water treatment / textile industry. However it has limitations to work at higher pH and temperature conditions compare to new class of phosphonates like DTPMPA & PAPEMPA.

PHOSPHOMAN®-111-C can react with metal ions in water system to form hexa-element chelating complex, with calcium ion in particular. Therefore, HEDP has good antiscaling and visible threshold effects. When built together with other water treatment chemicals, it shows good synergistic effects.

PHOSPHOMAN®-222-C and Salts

Chemical name : Amino Tri Methylene Phosphonic Acid - ATMP

PHOSPHOMAN®-222-C has excellent chelation, low threshold inhibition and lattice distortion ability. It can prevent scale formation, calcium carbonate in particular, in water system. It has good chemical stability and is hard to be hydrolyzed in water system. At high concentration, it has good corrosion inhibition.



PHOSPHOMAN[®]-333-C and Salts

Chemical name: 2-Phosphonobutane – 1,2,4 – Tricarboxylic Acid – PBTC

PHOSPHOMAN[®]-333-C has low content of phosphoric, has structural features of both phosphoric acid and carboxylic acid group, which enable its excellent scale and corrosion inhibition properties. Its antiscaling property under high temperature is far better than that of organophosphines. It can improve zinc salt solubility, has good chlorine oxidation tolerance and good composite synergy.

PHOSPHOMAN[®]-444-C and Salts

Chemical Name: Morpholino Methylene Bis Phosphonic Acid - MMBPA

Specially designed as additives of photography chemicals. Effective threshold scale inhibitor for carbonate and sulfate scales. Excellent hydrolytic and thermal stability over a wide range of pH values at temperatures above 120°C. It has good calcium compatibility.

PHOSPHOMAN[®]-555-C and Salts

Chemical Name: Bis(Hexamethylene) Triamine (Pentamethylene) Phosphonic Acid - BHMTPH

Effective threshold scale inhibitor for carbonate and sulfate scales. Excellent hydrolytic and thermal stability over a wide range of pH values at temperatures above 120°C. It has good calcium compatibility.

PHOSPHOMAN[®]-124 and Salts

Chemical Name: Penta Sodium Salt of EthyleneDiamineTetra (Methylene Phosphonic Acid) – EDTMPA

Products belonging to the PHOSPHOMAN[®]-124 series are good all purpose scale inhibitors. EDTMPA is nitrogenous organic polyphosphonic acid, a part of cathodic corrosion inhibitor having 3~5 times better corrosion inhibition properties than that of inorganic polyphosphate. EDTMPA shows excellent scale inhibition ability under temperature 200°C.

PHOSPHOMAN[®]-224

HEMPA: Hydroxyethylamino-bis (Methylene Phosphonic Acid): It is an excellent dispersant for calcium-based deposits. HEMPA significantly improves the rinsing properties of washing and cleaning formulations. This is an enviro-friendly and based on green chemistry.

Benefits :

- Effectively controls scale formation
- The product is highly effective for calcium and magnesium scales
- Provides stabilization of Iron, Zinc, Manganese, Phosphate
- Increases degree of water reuse and higher operating cycles to conserve energy and water
- Efficient dispersing agent in combination with other polymers

POLYMAN® Polymers as Water Treatment & Textile Auxiliary Additives and as Dispersing Agents

INTRODUCTION

The POLYMAN® range of low molecular weight polymers have unique properties and these, when used alone or in combination with PHOSPHOMAN® range of organophosphonates, offer excellent threshold effect, dispersion and chelating useful (required) in many applications.

APPLICATIONS

POLYMAN®, we manufacture, are widely used in water treatment chemicals (for cooling tower, boiler, softening plant, reverse osmosis etc.), oil field chemicals, water proofing, textile processing, detergent industry, cleaners, desalination, cosmetics & personal care products, ceramics & mineral dispersion, sugar industry, paints industry, printing inks, pigment slurries, pesticide formulations, pulp & paper industry, etc.

MAJOR PROPERTIES

- Improves Threshold effect
- Accelerates Dispersion Property
- Easily Dissolve Scale Forming Particles
- Effective Corrosion Control
- High Hydrolytic and Chlorine Stability
- Stable at High Temperature

This bulletin provides general data of POLYMAN® series of water treatment polymer additives

1) Phosphoric Polymers (Homo & Ter-Polymers)

2) Homo - Polymers

- Acrylic Homo - Polymer
- Maleic Homo - Polymer

3) Co-polymers

- Acrylic / Maleic - Sulfonate Co-polymer
- Carboxylic Co-polymer
- Carboxylate - Sulfonate Co-polymer

3) Ter-Polymers

- Carboxylic - Sulfonate - Non-ionic Ter-Polymer
- Phosphino Carboxylate Ter-Polymer
- Carboxylic - Sulfonate Ter-Polymer

5) Quad Polymers

- Carboxylic - Sulfonate Multipolymer

6) EXACTA-1000-P Phosphorus - Carboxylate Corin Polymer

Quaternary Ammonium Compounds

Alkyl Dimethyl Benzyl Ammonium Chloride (ADBAC) chiefly contains C12 to C14 carbon chain and is a broad spectrum antimicrobial liquid, mainly used as Biocides, Cationic Surfactants & Phase Transfer Agent.

ADBAC offers strong detergency & rapid, safe, powerful antimicrobial activity at low dosage.

ADBAC based disinfectants are non-toxic, non-tainting & odour-free at use dilutions.

Compatible with Non-ionic, Amphoteric and Cationic surface-active agents

OLKLIN® -DEBAC™ -50 : Benzalkonium Chloride 50%

OLKLIN® -DEBAC™ -80 : Benzalkonium Chloride 80%

New products under development : POLYAMINES

Tailor made bulk formulations for Water Treatment

We manufacture products according to customer's required specifications & applications.

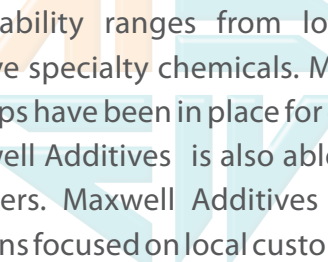


Why Us ?

Maxwell Additives Pvt. Ltd., India is committed to a collaborative Indian culture whereby our extensive and market-dedicated experts work in partnership with our customers and suppliers to generate mutually profitable growth.


Maxwell Additives Pvt. Ltd. India is passionate about meeting the expectations of its business partners, and about further contributing to Maxwell Additives success story. As a means of achievement, Maxwell Additives bundles pan-India, export co-operation and specialised technology into a flexible, secure and effective way of developing innovative speciality products.

Making the Supply Choices Simpler



Maxwell Additives sourcing capability ranges from long-term contract manufacturing agreements to application-sensitive specialty chemicals. Maxwell Additives Pvt. Ltd. is proud that many of its supplier relationships have been in place for decades and these provide a strong foundation for our business. Maxwell Additives is also able to offer new routes to market for established and emerging suppliers. Maxwell Additives prefers to work with committed suppliers using agreed business plans focused on local customers and market conditions.

Maxwell Additives Pvt. Ltd. provides the highest quality chemicals and services and is committed to meeting customers' varying challenges and simplifying the product and packaging mix.



Our Network



MAXWELL
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Since 1988

CORPORATE OFFICE : E-94, Sardar Industrial Estate, Road No. 2, Ajwa Road,
Vadodara-390019, Gujrat India. • **Telephone** : +91 265-2513595/96, 2516773
E-mail : care@maxwelladditives.com, sales1@maxwelladditives.com

Website : www.maxwelladditives.com