




## Company Profile

# ALEKTO CHEMICAL





# About Us

## Alekto Chemical

*Alekto Chemical* merupakan distributor Produk kimia industri, yang mencakup dua segmen, **Water Services**, yang berfokus pada Inovasi pengolahan **boiler water, cooling water, reverse osmosis and wastewater** untuk pelanggan di berbagai pasar industri dan kelembagaan, dan **Specialized Industries** yang berfokus pada **Paper Services for pulp and paper industries, and Textile Services for textile axillaries industry**. Kami menyediakan solusi terintegrasi untuk masalah pembersihan dan polusi, dan mendukung persyaratan untuk perawatan yang akan disesuaikan dengan kebutuhan klien kami untuk mengoptimalkan efisiensi produksi, mengurangi biaya pengoperasian jangka panjang, dan menciptakan lingkungan kerja yang lebih bersih.

# Our products

and services cater across all industrial sectors, which include

Automotive

01

01

Mechanical Industry

Electrical & Electronic Industry

02

02

Molding Industry

Energy & Power Plant

03

03

Energy & Power Plant

Food and Beverage Industry

04

04

Oil & Gas

Healthcare and Pharmaceutical Industry

05

05

Plastic Polymer Industry

Hotel & Service Industry

06

06

Pulp and Paper Industry

Institutional: Hospitals, Universities, Commercial Buildings

07

07

Textile Industry

Mining and Primary Metal Industry

08

08

Waste treatment

We are driven to achieve the right results the right way-by operating responsibly, executing with excellence, applying innovative technologies and treatment, and capturing new technologies.

We promote sustainable practices in our business, and our products are biodegradable and safe to the environment.

We are steadfast in our commitment to product quality and service excellence, and we strive to maintain the highest standard for our clients

We continue to explore and experiment to create new and better products through Research and Development

In line with our commitment to ensure quality excellence and environmental sustainability, our products comply with ISO9001, NSF International, HALAL Assurance System Status and relevant Quality & Safety Certification

# Product List

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## **P01 PAY-OFF®**

- P001 BOILER WATER TREATMENT
- P002 COOLING WATER TREATMENT
- P003 BIOLOGICAL TREATMENT
- P004 REVERSE OSMOSIS CHEMICAL
- P005 REVERSE OSMOSIS EQUIPMENT



## **P02 KATFLOC®**

- KF01 BACTERI FOR AEROB AND ANAEROB
- KF02 DECOLORIZING
- KF03 FLOCCULANT (CATIONIC)
- KF04 FLOCCULANT (ANIONIC)
- KF05 NUTRIBAC

# PAY-OFF®

## Boiler Water Treatment (BWT)

### Description

- Multifunction chemicals for controlling corrosion, scale, disperses iron and other foulants.
- Online Descaler effective in removing, dispersing silica and sulfate scale
- without shutting down boiler operation.

### Features

- Contains a scale inhibitor, which minimizes the scale formation.
- A polyelectrolyte suspends any insoluble formation on the bottom of the boiler. Suspended solids will leave the boiler with the blowdown.
- An anti-corrosion agent forms a protective film on clean pipes, thus preventing further corrosion.
- A carbon dioxide scavenger minimizes corrosion in steam pipes.

Products	Function
BWT-FS/SRTF/SRF	Anti scale&Anti Corrosion (Food grade)
BWT-SCF	Silica Conditioner (Food grade)
Liquid Descaler F	Scaling/Cleaning tube (Food grade)
BWT-F/SRTRI/SR/S/G/GD	Anti Scale&Anti Corrosion
BWT-SC	Silica Conditioner
Liquid Descaler	Scaling/Cleaning tube
Neutralizing Agent	Scaling/Cleaning tube

### Cautions

- Very important to maintain boiler water pH in the range of 10.5-11.5.
- Be sure to have sufficient blowdown which control both the pH and suspended matter in boiler.

### Applications

Organic scale and corrosion inhibitor with dispersing properties for hard water. Soft descaler effectively in removing silica scale in operating boiler systems.



# PAY-OFF®

## Cooling Water Treatment (CWT)



### Description

Multiple effect combination product which prevent scale, inhibits corrosion, combats biological growth, suspend sludge and sediments.



### Applications

Organic scale and corrosion inhibitor with dispersing properties for hard water. Soft descaler effectively in removing carbonate scale in operating cooling systems.



### Features

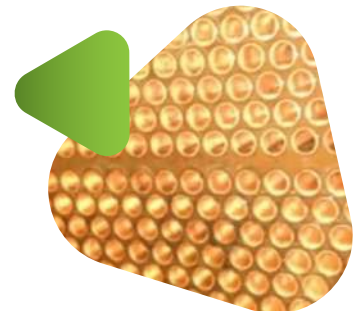
- Contains a scale inhibitor, which minimizes the scale formation.
- Contains corrosion inhibitors that will prevent rust.
- Non-flammable

Products	Function
CWT-SINF/SRF	Anti Scale&Anti Corrosion (Food grade)
CWT-B1/B3/B4/B5 F	Non Oxydizing Biocide (Food grade)
Liquid Descaler F	Scaling/Cleaning tube (Food grade)
Descaler 413F	Online Cleaning (Food grade)
CWT-SINOS/SRTRI /SR	Anti scale&Anti Corrosion
CWT-SBX/SB/G	Anti Scale, Anti Corrosion& Biocide
CWT-B5/BR	Oxidizing Biocide
Liquid Descaler	Scaling/Cleaning tube
Neutralizing Agent	Scaling/Cleaning tube



### Cautions

Regular bleed-off at certain intervals is necessary to prevent an over accumulation of sludge which is caused by suspended dust and precipitated salts.



# PAY-OFF®

## Biological Treatment



### Description

Multiple effect combination product which prevent scale, inhibits corrosion, combats biological growth, suspend sludge and sediments.



### Applications

Organic scale and corrosion inhibitor with dispersing properties for hard water. Soft descaler effectively in removing carbonate scale in operating cooling systems.



### Features

- Contains a scale inhibitor, which minimizes the scale formation.
- Contains corrosion inhibitors that will prevent rust.
- Non-flammable



Products	Function
CWT-SINF/SRF	Anti Scale&Anti Corrosion (Food grade)
CWT-B1/B3/B4/B5 F	Non Oxydizing Biocide (Food grade)
Liquid Descaler F	Scaling/Cleaning tube (Food grade)
Descaler 413F	Online Cleaning (Food grade)
CWT-SINOS/SRTRI /SR	Anti scale&Anti Corrosion
CWT-SBX/SB/G	Anti Scale, Anti Corrosion& Biocide
CWT-B5/BR	Oxidizing Biocide
Liquid Descaler	Scaling/Cleaning tube
Neutralizing Agent	Scaling/Cleaning tube



### Cautions

Regular bleed-off at certain intervals is necessary to prevent an over accumulation of sludge which is caused by suspended dust and precipitated salts.

# PAY-OFF®

## Reverse Osmosis Chemicals (AERO)



### Description

- AERO series chemical have been developed as a broad spectrum liquid antiscalant, an inorganic scale cleaner and iron deposit remover, as a general purpose membrane cleaner effective against organic based foulants for use in reverse osmosis and ultra filtration membrane systems.
- Pay off AERO series chemicals are certified NSF/ANSI Standard 60-Drinking Water Treatment Chemicals.



### Applications

- Reverse osmosis membrane cleaner for removing fouling caused by organic, biological, colloidal foulants, iron salts, oxides and hydroxides. It can also be used to remove light calcium carbonate scaling.



### Features

- High performance and low operating costs.
- Low environmental impact.
- Improve operational efficiency.
- Reduce scaling and corrosion risks.



Products	Function
AERO ASC 1016	Anti Scalants (Food grade)
AERO 40 D	Alkaline RO membrane cleaner (Food grade)
AERO 38 L	Mildly acidic RO membrane cleaner (Food grade)
AERO 30	RO membrane biocide
CR	Chlorine removal



### Cautions

- Cleaning should be undertaken whenever the permeate flux reduces by 10- 15% or, either the normalised differential pressure or permeate conductivity increase by 10-15%. In many instances it is best to adopt a programme of regular preventive cleaning.

# PAY-OFF®

## Reverse Osmosis Equipment

### Description

Our Reverse Osmosis are engineered to economically produce high purity water by removal of dissolved minerals, bacteria, particles, and organic impurities. Each Pay-Off RO machine is constructed using the highest quality components and materials for reliable operation and exceptional performance.



### Applications

Produce high quality water for domestic, commercial & industrial applications.



### Features

- Low prices.
- Using the most advanced reverse osmosis membranes
- High efficiency.

Products	Function
BW RO SW RO	Brackish water Sea water



### Cautions

The membranes show very little fouling when the feed water has a turbidity of  $< 1$  NTU. The membranes show very low fouling at a feed SDI of less than 5. An SDI of less than 5 is considered acceptable for the reverse osmosis systems.

# PAY-OFF®

## PR-333



### Description

- Pay Off PR-333 adalah larutan pengelupas cat yang efektif untuk merontokkan cat, varnish, dempul, epoxy, dan lacquer.
- Pay Off PR-333 dapat merontokkan cat dengan cepat dan praktis pada beberapa media seperti besi, kayu, dan acrylic.



### Cara Penggunaan

- Bersihkan permukaan media agar terbebas dari kotoran, lalu kuaskan Pay Off PR-333 ke permukaan cat yang akan dihilangkan kemudian dibiarkan beberapa waktu sampai cat terangkat dan mengelupas. Pengolesan dapat dilakukan secara berulang sampai cat, varnish, dempul, epoxy, dan lacquer hilang sempurna.



### Spesifikasi

- Fisik : Cairan gel sedikit keruh
- Berat Jenis : 1,25 +0,1gr/cc



# PAY-OFF®

## PR-423



### Description

- Pay Off PR-423 is solvent based paint stripper, fast-acting and efficiently will remove paint from metal surfaces. Effective on acrylics, lacquers, epoxy, and polyurethane.
- Non-corrosive to all common metals under normal exposure time



### Application

- Apply on the surface and let the stripper stand until paint completely blistered or liquefied. Multiple coats may require repeat application.



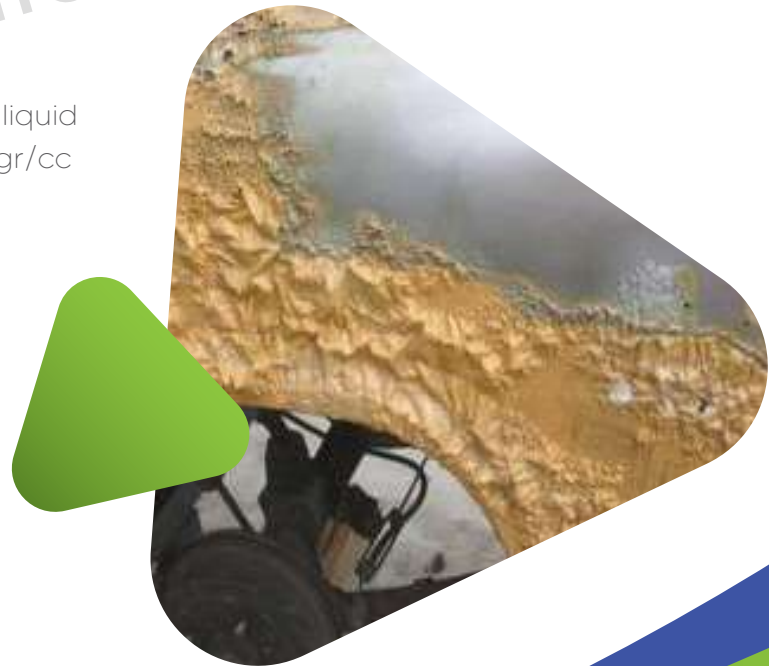
### Advantages

- Removes paint, acrylic, lacquer, epoxy, and polyurethane
- Works on vertical surfaces



### Specification

- Appearance : white gel liquid
- Specific Gravity : 1,24 +0,1 gr/cc



# PAY-OFF®

## PR-423



### Composition :

Ethoxylate

### Appearance:

Liquide

### Colour:

clear

### Typical Properties:

Active ingredients : approx. 100 %

Consistency : low viscosity

Density at 30°C : 1,0 ± 0,1 gr/cc

Solubility in water : emulsifiable

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product.

### Properties/applications:

Main applications:

- defoamer for alkaline systems
- defoamer for waste and water treatment system
- defoamer for fiber cement processes

### Recommended levels/use:

Added sump side, typically 50 cc or more Pay-Off Defoamer 1312 for each 1 m<sup>3</sup> of fluid is all that is necessary minimize foaming. Add directly to system in area where foam has become a problem.

### Recommended levels/use:

Added sump side, typically 50 cc or more Pay-Off Defoamer 1312 for each 1 m<sup>3</sup> of fluid is all that is necessary minimize foaming. Add directly to system in area where foam has become a problem.

### Packaging :

30 liter jerrycan

# PAY-OFF®

## RC 100

### DESCRIPTION AND USE

RC-100 is an amber liquid containing mixture of hydrocarbon solvents, surfactants. It contains no cresylic or phenolic materials. RC-100 is specially designed for the removing and loosening of rubber deposits from asphalt concrete and Portland cement concrete airfield pavements.

### GENERAL SPECIFICATION\*

- Appearance : Blackish brown liquid
- Specific gravity : 0.99 gr/ml + 0.02
- Application : Brush, roller, and spray application is recommended.

### INSTRUCTIONS AND DOSAGE REQUIREMENTS

- For application on rubber deposit removal, RC-100 should be diluted 1 part of compound to 2 parts water. Apply diluted mixture via applicator equipment to runway touchdown area.  
The solution should stand on the rubber deposit for approximately 15-20 minutes on asphalt.  
Brush with power rotary type brusher than flash with high pressure water rinse.

### PRODUCT BENEFITS

- Economical – used diluted with water  
Free rinsing – leaves no oily residue

### PACKING

- RC-100 is available in 30 liter per pail

# KATFLOC®

## Bacteri for Aerob And Anaerob Process



### Description

■ Katfloc SC - Series is a cationic, relatively low molecular weight type polymer supplied in easy-to-use liquid form. It is used as a coagulant and/or coagulant - aid in the clarification treatment of water it can partially to totally replace conventional inorganic metal salts (e.g aluminum or iron salts). And also used for dewatering agent.



### Applications

■ Katfloc SC - Series must be diluted with clean water least 1: 10 prior to dosing. Dosing point should be thus selected as to provide for turbulent, prolonged mixing with the water to be treated in order to optimize performance. If used in conjunction with in organic coagulant, the inorganic is usually added first but in many cases, the product can be dosed at the same point. Katfloc SC-Series may also be pre-mixed with inorganic coagulant. In cases where a secondary coagulant/fluocolant is used, Katfloc SC - Series should be dosed first.



### Features

Products	Function
Bacteri SC-Series (585 powder)	BacteriAerob Proses
Bacteri SC - Series (660/668 Liquid)	BacteriAnaerob Proses



### Cautions

■ Katfloc SC-Series is non-toxic and approved by the US NSF and other official institutions for use in the treatment of potable water. The product should be stored in a cool dry place. Spillage should be avoided, as spilled polymer is slippery. Wash spillage with plenty of water. The used of protective splash goggles and glove is recommended when handling the product.



# KATFLOC®

## Decolorizing as Color Removing

### Description

Decolorizing is a synthetic cationic polymer that can partially or totally replace inorganic and organic coagulant in the clarification treatment of industrial effluents containing super-colloidal suspensions such as color. Decolorizing is particularly effective as a decolorization agent for industrial effluents containing residual nature or synthetic dyes such as textile industry waste water.

### Applications

Decolorizing should preferably be dissolved in water to a 1,5 % strength solution prior to dosing. The dosing point should be selected such that intimate mixing and sufficient contact time with the substrate can occur.

Decolorizing not normally used in conjunction with inorganic coagulant such as aluminum or iron salts. It is normally dosed before inorganic coagulant addition. N.B. Overdosing of Decolorizing should be avoided as re-dispersion can occur.

The use of a high molecular weight anionic flocculant after Decolorizing addition is recommended as it results in an increased floc size.

Dosage of Decolorizing varies depending on the composition of the effluent being treated and the amount of inorganic coagulant being used. Typical dosage rates range from 10 - 100 ppm.

### Features

Products	Function
DCR 100 R	Color removing for textile or paper industry

### Cautions

It is essentially non-toxic. Store in a cool dry place. Polymer is slippery, if spilled, clean up immediately using an inert granular substance i.e, sawdust, and,etc.



# KATFLOC®

## Flocculant as Clarification Proses (Cationic)



### Description

■ Polymer Cationic flocculant is a high molecular weight, medium cationic charge polyacrylamide.



### Applications

■ Polymer Cationic is mostly used for dewatering of digest sludge and the flotation of the sludge.



### Features

- Flocculant are hygroscopic.
- White free flowing granular powder.

Products	Function
C 9000 series (9020/9060)	As dewatering sludge



### Cautions

- Store in dry at a temperature below 35°C.  
Do not store outside spillage should be cleaned up rapidly, surface become very slippery. Hazardous if flocculant are spread on the floor.



# KATFLOC®

## Flocculant as Clarification Proses (Anionic)



### Description

■ Polymer Anionic flocculant is a high molecular weight, very low anionic polyacrylamides supplied in powder form.



### Applications

■ Polymer Anionic used in conjunction with a primary coagulant, both of organic (eg Alum, Ferry, PAC) and organic in the treatment of raw water potable usage.



### Features

- Flocculant are hygroscopic.
- White free flowing granular powder.

Products	Function
AP 300 series (310,315,320,325)	Flocculant Agent (polymer anionic)



### Cautions

■ Store in dry at a temperature below 35°C.  
Do not store outside spillage should be cleaned up rapidly, surface become very slippery.



# KATFLOC®

## Nutribac as Nutrients for Biological Treatment

### Description

Nutribac as bacterial nutrients in the wastewater treatment process biologist with the aerobic process, Nutribac is made from the organic material formulation and an organic material as other ingredients

### Applications

Nutribac used in sewage treatment industry (liquid) with aerobic biological processes as a bacterial nutrient, in the use and additions could be done with the injection manually in aeration tanks and the like, can be used for the treatment of wastewater with COD > 2000 ppm.

### Features

- Reduce COD and BOD values by more than 90%
- To add and bacterial growth in the mouth at the wastewater treatment biological processes which are also present in activated sludge. Improve the quality of activated sludge.

Products	Function
Nutribac 1000 series (1120/1020/1050)	Nutrition bacteria in biological processes with system aerasi

### Cautions

Has a degree of acidity with a scale of 4 (pH 4). May cause irritation to skin and eyes on contact recurring. Avoid contact with skin and eyes, after handling always wash hands thoroughly with soap and water.



# KATFLOC®

## Coagulant as Clarification Proses



### Description

The P/PL/SC-Series coagulant are blends of inorganic and organic coagulant, to be used for the clarification of river water and waste water treatment. They are highly cationically charged.



### Applications

Coagulant is recommended to feed as solution from dilution, into pond or sump where good distribution and mixing can be assured.



### Features

- Easy of handling
- Lower use of coagulant compared using only inorganic coagulants
- The precipitate produced are more dense, meaning a lower volume of sludge and thus lowering the cost for transportation of the discarded sludge.

Products	Function
P-Series (PAC Liquid/P 108/P 110/P112) PL-Series (PLC 50/PL 50/P21 S/ P10 s) SC-Series (200/500/203/510 A/570 PD)	Coagulant Organic coagulant for reducing an organic coagulant consumption



### Cautions

Depend on the extent of the impurities in the water to be treated. Dilution to a 5% solution prior to dosing is preferable.





**A** **Alekto**  
Chemical by : Alekto Green



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