



POWERFUL
PERFORMANCE



SAFER
SOLUTIONS



INDUSTRIAL
STRENGTH



PROVEN
RESULTS

ST3

ELECTRICAL MOTOR CLEANER

Solvent-based cleaner for the safe and effective cleaning of electrical motors and equipment.



ST4

INDUSTRIAL SOLVENT CLEANER

Heavy duty solvent cleaner for removing grease, oil and industrial soils from hard surfaces.



ST5

WATERBASED DEGREASER

Powerful water-based degreaser for general cleaning and removing tough dirt and grime.



ST6

ELECTRICAL & ELECTRONIC COMPONENT CLEANER

Fast drying solvent cleaner for electrical and electronic components and precision parts.



ST7X

SOLVENT BASED DEGREASER

High solvency industrial degreaser for removing oils, greases and heavy carbon build-up.



STDC

DESCALER & CHEMICAL CLEANER

Powerful acid-based solution for the removal of scale, rust and mineral deposits.



STRR

RUST REMOVER

Acid solution for cleaning and passivating metals, removing rust and preparing surfaces.



QUALITY YOU CAN TRUST

Our range of cleaning solutions are engineered for superior performance, safety and reliability across a wide range of industrial applications.



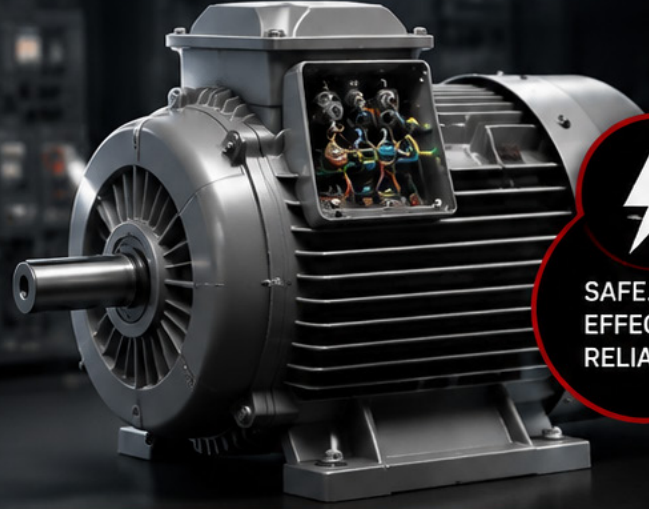
SUPPORTING
INDUSTRY



ENVIRONMENTALLY
RESPONSIBLE



CONSISTENT
QUALITY



SAFE.
EFFECTIVE.
RELIABLE.

PRODUCT SPECIFICATIONS

TEST	UNIT	SPECIFICATION
Appearance		Clear colourless liquid
Density	g/cm ³	1.60
Flash point	°C	No Flash Point
Residue		None
Dielectric Strength	Kv	24.2

KEY BENEFITS

- ✓ No flash point and non-flammable – safe to use in high fire risk areas
- ✓ Non-conductive
- ✓ High Dielectric Strength
- ✓ Fast penetration and high solvency
- ✓ Quick drying
- ✓ Leaves no residue

QUALITY YOU CAN TRUST

The recommendations contained herein are based on laboratory tests and infield use experience and are to the best of our knowledge accurate. Since terms and conditions of actual use are beyond our control, all recommendations are made without warranty, express or implied.



ST3

ELECTRICAL MOTOR CLEANER

POWERFUL SOLVENT-BASED CLEANER
FOR ELECTRICAL EQUIPMENT

ST3 is a completely non-flammable and nonconductive product, with quick drying properties and no residue. It cuts through grease dirt and grime and removes conductive soils that could cause short circuits. If used regularly it will ensure the prolonged life and higher output of the equipment.



NON-FLAMMABLE
SAFE TO USE



NON-CONDUCTIVE



QUICK DRYING



HIGH DIELECTRIC
STRENGTH



LEAVES NO
RESIDUE

IDEAL FOR CLEANING:



Electrical
Motors



Fuse
Holders



Transformers



Electrical
Panels

Blowers • Fans • Hoists • Cables • And more



STRONG.
EFFECTIVE.
RELIABLE.

ST4

INDUSTRIAL DEGREASER

POWERFUL SOLVENT-BASED CLEANER
FOR INDUSTRIAL APPLICATIONS

ST4 is an industrial strength hard surface degreaser. It effectively dissolves water insoluble soils such as grease, oil and tar. It is often used in parts washers to replace more dangerous solvents.

It has a high flash point and a low aromatic content making it safer to use than traditional solvent cleaners.

ST4 can be used in maintenance workshops, paint shops, boiler rooms amongst many other areas.



HIGH FLASH
POINT



LOW AROMATIC
CONTENT



MILD
ODOUR



SAFE ON MOST
PAINTS & PLASTICS



SAFE ON ALL
METALS

PRODUCT SPECIFICATIONS

TEST	UNIT	SPECIFICATION
Appearance	-	Clear, Transparent Liquid
Specific Gravity	g/cm ³	0.75 – 0.80
Solubility in Water	-	Not soluble
Dielectric Strength	Kv	

IDEAL FOR CLEANING:



Machinery &
Equipment



Metal Parts &
Components



Parts Washers
& Dip Tanks



Boiler Rooms
& Plant Areas



Workshops
& Vehicles

Metal Parts • Equipment • Vehicles • Tanks • And more

FEATURES

- ✓ Dissolves organic soils such as grease oil and tar.
- ✓ High flash point
- ✓ Low aromatic content
- ✓ Mild odour
- ✓ Low evaporation rate
- ✓ Safe on most paints and plastic
- ✓ Safe on all metals
- ✓ Fast penetration

QUALITY YOU CAN TRUST

The recommendations contained herein are based on laboratory tests and infield use experience and are to the best of our knowledge accurate. Since terms and conditions of actual use are beyond our control, all recommendations are made without warranty, express or implied.





SAFE.
EFFECTIVE.
VERSATILE.
ECONOMICAL.

ST5

HEAVY DUTY WATERBASED DEGREASER

POWERFUL WATERBASED CLEANER FOR HEAVY DUTY DEGREASING

WBD is a versatile, highly concentrated degreaser for effective cleaning of almost any surface.

It is based on a balance of biodegradable surfactants, coupling agents, chelating and soil suspending inorganics. WBD is safe to use, non-caustic and has non-corrosive properties. It can be used on all hard surfaces and is non-flammable.



BIODEGRADABLE & NON-TOXIC



POWERFUL CLEANING



NON-CORROSIVE & SAFE TO USE



WATER BASED



NON-FLAMMABLE

IDEAL FOR CLEANING:



Engines & Components



Industrial Equipment



Floors & Surfaces



Parts Washing & Fabrication



Plants, Tanks & Pipelines

Workshops • Factories • Maintenance • And more



PRODUCT SPECIFICATIONS

TEST	UNIT	SPECIFICATION
Appearance	-	Green, Transparent Liquid
Density	g/cm ³	1,060 – 1,100
pH	-	12.00 – 13.80
NVC % m/m	-	22.0 – 27.0

FEATURES & BENEFITS

- ✓ Highly concentrated – dilutable up to 1:200
- ✓ Safe to use – contains no free caustic
- ✓ Non-corrosive – safe on most metals, paints & plastics
- ✓ Removes dirt, grease, oil and grime effectively
- ✓ Water based – non-flammable & environmentally friendly
- ✓ Unique soil suspending agents prevent re-depositing
- ✓ Can be mixed with water or solvents (e.g. paraffin)
- ✓ Economical – effective in a wide range of applications



QUALITY YOU CAN TRUST

The recommendations contained herein are based on laboratory tests and infield use experience and are to the best of our knowledge accurate. Since terms and conditions of actual use are beyond our control, all recommendations are made without warranty, express or implied.



SAFE.
EFFECTIVE.
RELIABLE.

ST6

ELECTRICAL & ELECTRONIC COMPONENT CLEANER

POWERFUL SOLVENT-BASED CLEANER FOR ELECTRICAL & ELECTRONIC COMPONENTS

ST6 Electrical & Electronic Component Cleaner is a high performance non-chlorinated product used to penetrate and clean oils, greases and soils. It is an environmentally acceptable alternative that dries very quickly and leaves no residue.

ST6 is made from low aromatic and contains no chlorinated solvents, yet the performance is similar to chlorofluorocarbons.



FAST EVAPORATION



HIGH FLASH POINT



LOW AROMATIC CONTENT



SAFE ON ALL METALS



LOW RESIDUE

PRODUCT SPECIFICATIONS

TEST	UNIT	SPECIFICATION
Appearance	-	Clear, Transparent Liquid
Specific Gravity	g/cm ³	0.70
Solubility in Water	-	Not soluble
Dielectric Strength	Kv	<= 35Kv
Flash Point	Deg C	-6

FEATURES

- ✓ Fast evaporation
- ✓ High flash point
- ✓ Low aromatic content
- ✓ Mild odour
- ✓ Safe on all metals
- ✓ Fast penetration, removes dirt, oil, and industrial soils
- ✓ Low residue



QUALITY YOU CAN TRUST

The recommendations contained herein are based on laboratory tests and infield use experience and are to the best of our knowledge accurate. Since terms and conditions of actual use are beyond our control, all recommendations are made without warranty, express or implied.

IDEAL FOR CLEANING:



Control Panels



Switches



Controllers

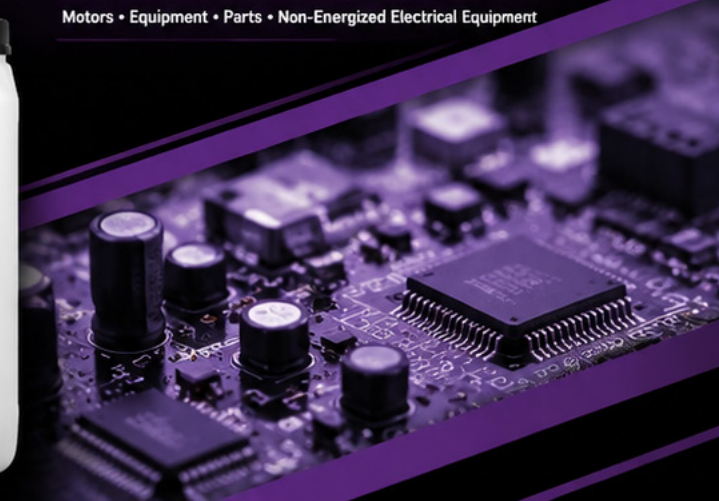


Meters



Contacts

Motors • Equipment • Parts • Non-Energized Electrical Equipment





PRODUCT SPECIFICATIONS

TEST	UNIT	SPECIFICATION
Appearance	-	Clear green liquid
Specific Gravity	g/cm ³	0.75 – 0.80
Solubility in Water	-	emulsifies

PROPERTIES & BENEFITS

- ✓ Environmentally acceptable
- ✓ Contains no highly toxic aromatic solvents
- ✓ More than Readily Biodegradable
- ✓ Excellent rinsability properties, no gel formation, no oily film residue
- ✓ Superior degreasing and rapid thick viscous grease dissolving properties
- ✓ No toxic harmful unbearable fumes especially with adequate ventilation
- ✓ No paint stripping, can be used in a dip tank processes
- ✓ Removes carbon, oil, bitumen, grease, waxes, fats, etc.
- ✓ Safe for use in all metal
- ✓ Emulsion splits in effluent making separation from water easy.

QUALITY YOU CAN TRUST

The recommendations contained herein are based on laboratory tests and infield use experience and are to the best of our knowledge accurate. Since terms and conditions of actual use are beyond our control, all recommendations are made without warranty, express or implied.



ST7X

**SOLVENT BASED DEGREASER,
WITH INCREASED SOLVENCY AND RINSEABILITY**

**POWERFUL SOLVENT-BASED DEGREASER
FOR INDUSTRIAL APPLICATIONS**

ST7X is a new generation ground-breaking, highly advanced triple strengthened environmentally acceptable, high performance solvent based degreaser. It has been developed with the "cradle to grave" concept in mind to achieve optimum degreasing by using a unique blend of biodegradable non-toxic solvents.

ST7X has revolutionised industry sectors via mitigation of negative environmental impacts offered by conventional degreasers.



ENVIRONMENTALLY
ACCEPTABLE



HIGH
PERFORMANCE



INCREASED
SOLVENCY



MORE THAN
READILY
BIODEGRADABLE



EXCELLENT
RINSEABILITY

IDEAL FOR DEGREASING:



Floors in
Workshops &
Industrial Sites



Industrial
Machinery &
Components



Gearboxes,
Differentials &
Engine Parts



Parts Before
Assembling &
After Repairing



Petrol Stations,
Drive Ways &
Maintenance Areas

Coating Preparation • Equipment Maintenance •
Heavy Engineering • Fast Cleaning • Dip Tank Processes • And more.



PRODUCT SPECIFICATIONS

TEST	UNIT	SPECIFICATIONS
Appearance	-	Clear yellow liquid
Density	g/cm ³	1,10 - 1,15
Acidity	cm ³ 1N KOH/cm ³	6,5 - 7,5
Flashpoint	°C	Nil

PROPERTIES

- ✓ Degreases, etches and de-rusts in one process.
- ✓ Highly concentrated – dilutes up to 1:5.
- ✓ Economical – may be used repeatedly.
- ✓ Can be heated to obtain faster action.
- ✓ Also suitable for stainless steel and aluminium.
- ✓ Safe to use – no excessive fumes.
- ✓ Contains inhibitors to protect metal surfaces.

QUALITY YOU CAN TRUST

The recommendations contained herein are based on laboratory tests and infield use experience and are to the best of our knowledge accurate. Since terms and conditions of actual use are beyond our control, all recommendations are made without warranty, express or implied.



STRR

RUST REMOVER

**POWERFUL ACID SOLUTION
FOR RUST REMOVAL & METAL TREATMENT**

RUST REMOVER is a solution of acids for the cleaning and passivating of most metal. RUST REMOVER is also suitable for etching and degreasing of concrete floors, especially for preparing the area prior to painting.

RUST REMOVER is based on a blend of phosphoric acid and a selection of non-ionic surfactants, alcohol's and glycol ethers.



REMOVES RUST
& SCALE



PROTECTS
METAL SURFACES



CLEANS &
PREPARES



ACID BASED
FORMULA



EFFECTIVE &
RELIABLE

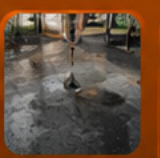
APPLICATIONS



Metal
Treatment



Rust Removal
& De-Rusting



Concrete Floor
Etching



Surface Prep
Before Painting



Industrial
Maintenance

Metal Surfaces • Concrete Floors • Equipment • Structures • And more

DIRECTIONS FOR USE

METAL TREATMENT:

Dilute RUST REMOVER up to 1:5. The product can be used in a dip tank process or it can be brushed or sprayed onto the area to be treated. Allow time for the reaction and rinse well with water. Apply a protective coating to prevent rusting.

DIRECTIONS OF APPLICATION:

Depending on the degree of rust or corrosion the product can be diluted as recommended above, the product can be sprayed or applied by brush to the surface to be cleaned. Reaction time of 5 – 20 minutes should be allowed. Rinse the de-rusted surface after each application. The higher the concentration of the product, the less contact time required. The product can be used in a dip tank process for a maximum duration of 30 minutes on a single application. Avoid soaking of inferior metals or alloys for long hours.

CONCRETE TREATMENT:

For light degreasing/etching, dilute RUST REMOVER up to 1:3 with water. Directions for application – Mix as mentioned above and pour the mixture into the surface to be cleaned or etched and allow 5 – 10 minutes contact time. Agitate using a hard broom, mop or any suitable material and rinse thoroughly with clean water using a pressure washer, hosepipe or buckets of water. Allow area to dry completely.

NOTE: Protective clothing and equipment should be worn when working with RUST REMOVER.

DESCALER AND CHEMICAL CLEANER

POWERFUL DESCALING SOLUTION FOR INDUSTRIAL APPLICATIONS

DESCALER AND CHEMICAL CLEANER is designed for the removal of hard water scale and rust in a wide range of applications.

DESCALER AND CHEMICAL CLEANER is a blend of powerful cleaning acids, sequestering agents and inhibitors in a stable aqueous base.

POWERFUL.
EFFECTIVE.
RELIABLE.

PRODUCT SPECIFICATIONS

TEST	UNIT	SPECIFICATIONS
Appearance	-	Clear liquid
Colour	-	Purple - brown
Odour / perfume	-	Acidic, almonds
Density	g/cm ³	1,10 - 1,15
Free Acidity	1N KOH/cm ³	5,5 - 7,0



REMOVES SCALE
& RUST



EFFECTIVE
CLEANING



INHIBITS METAL
DAMAGE



STABLE AQUEOUS
FORMULA



BIODEGRADABLE
FORMULA

APPLICATIONS



Etches Concrete
Before Priming
& Painting



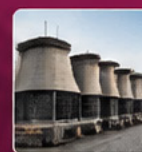
Cleans Stains,
Rust & Algae
from Concrete



Removes
Cement
Build-up



Air Conditioners,
Refrigeration Units
& Condensers



Removes Scale
on Cooling Units
& Boilers

FEATURES

- ✓ Concentrated and fast acting
- ✓ Can be diluted up to 1 in 4
- ✓ Inhibited to damage to metal prevented.
- ✓ Biodegradable
- ✓ Non flammable
- ✓ Can clean and descale



QUALITY YOU CAN TRUST

The recommendations contained herein are based on laboratory tests and in-field use experience and are to the best of our knowledge accurate. Since terms and conditions of actual use are beyond our control, all recommendations are made without warranty, express or implied.



DIRECTIONS FOR DESCALING OF BOILERS

- 1 Disconnect the inlet feed pipe to the boiler and either blow down nozzle or other suitable nozzle and connect in a plastic pump using plastic hosing in order to circulate contents of the boiler.
- 2 Fill boiler completely with a 1:10 dilution of **DESCALER AND CHEMICAL CLEANER** and start circulating pump.
- 3 Circulate **DESCALER AND CHEMICAL CLEANER** solution until required descaling has been achieved. This can take between 1 and 12 hours.

NOTE: Descaling procedure can be speeded up if the solution is warm i.e. 50 C.

- 4 Drain **DESCALER AND CHEMICAL CLEANER** solution and discharge to effluent and refill boiler with 0, 25% solution of sodium bicarbonate.
- 5 Circulate this neutralising solution for 15 to 20 minutes and then drain, checking that the solution is neutral.
- 6 If this solution is not neutral then the carbonate wash must be repeated and finally the boiler should be well washed out and preferably rinsed with the same filling, circulating and emptying procedure several times with tap water.
- 7 Before restarting the boiler, ensure that the feed water is thoroughly soft and has been properly de-oxygenated and alkalisied with recommended boiler water treatment chemicals.