

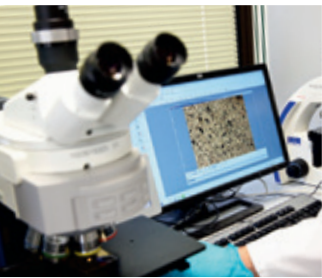


## Product Catalogue

*Our solutions for surface  
preparation, treatment  
and protection*

SINCE  
1972

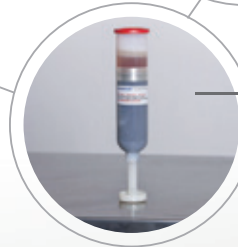
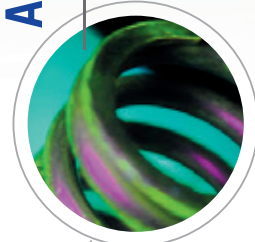
SOCOMORE has been creating, manufacturing and commercialising expert solutions for the preparation, protection, treatment and control of metallic and composite materials. These solutions are designed for manufacturing and maintenance operations in the transport industry - air, automotive and rail- as well as other industries associated with metals or energy.



**Surface treatment, preparation and protection** via the Socomore, Magchem and Dysol product ranges, the majority of which are approved by the main aircraft manufacturers.

3  
ACTIVITIES

**Non destructive testing** via Babb Co consumable products and equipment, and Mag Rubber replication material.



**Structural adhesives** and shim products via the Dynamold product range.

**Client focused innovation**

Our products are the fruit of our R&D and global technology partnerships. Our product range is a valued asset due to our approvals, both international and from multiple manufacturers. Our scientific expertise in the physics of materials and minerals, organic and electro-chemistry, combined with our various laboratories is the centrepiece of our product development strategy.

**We offer solutions to our clients with an environmental performance that takes into account all the changes in relation to Environment, Health and Safety (EH&S) regulations.**

Our research protocols target the reduction of VOC emissions and the substitution of hexavalent chromium and other CMR substances (Carcinogenic Mutagenic Reprotoxic) via new generations of products, through the work of our teams dedicated to monitoring regulations (REACH, CMR, VOC, GHS, etc.)

40  
MAJOR  
COMPANIES  
HAVE APPROVED  
OUR PRODUCTS



## They trust us

### AEROSPACE:

AERNNOVA GROUP, AIRBUS GROUP (AIRBUS, AIRBUS HELICOPTERS, AIRBUS DEFENCE & SPACE), AIR FRANCE INDUSTRIES, ALENIA AERMACCHI, ALITALIA, AMECO, FRENCH AIR FORCE, ATR, AUBERT & DUVAL, BELL HELICOPTER, BOEING, BOMBARDIER, BRITISH AEROSPACE, CAAC, CESSNA, COMAC, DAHER SOCATA, DASSAULT AVIATION, DE HAVILLAND, EMBRAER, EMIRATES, FEDEX, GAMECO, GENERAL DYNAMICS, GENERAL ELECTRIC, GKN AEROSPACE, HAECO, HOWMET-ALCOA, L-3, LATECOERE, LOCKHEED MARTIN, LUFTHANSA TECHNIK, McDONNELL DOUGLAS, MARTIN BAKER, MBDA, MECAPROTEC, PILATUS, PRATT&WHITNEY, PREMIUM AEROTEC, RATIER FIGEAC, REVIMA, REVIMA-APU, ROLLS-ROYCE, RUAG, SABCA, SABENA TECHNICS, SAFRAN GROUP (AIRCELLE, FAMAT, HERAKLES, HISPANO-SUIZA, MESSIER-BUGATTI-DOWTY, SLCA, SNECMA, TECHSPACE AERO, TURBOMECA), SIAEP, SONACA, SPIRIT AEROSYSTEMS, SR TECHNICS, STARCO, STELIA AEROSPACE, TURKISH AEROSPACE INDUSTRIES, TURKISH AIRLINES, US ARMY, UTC AEROSPACE SYSTEMS (GOODRICH, HAMILTON), ...

### AUTOMOTIVE:

ASTON MARTIN, FAURECIA, FIAT, GM, HONEYWELL TURBO TECHNOLOGY, PSA, RENAULT, ...

### RAIL:

ALSTOM, ANSALDOBREDA, BOMBARDIER, RATP, SNCB, SNCF, VOSSLOH, ...

### INDUSTRY (NAUTICAL, ETC.):

BÉNÉTEAU GROUP, ...

### ENERGY:

ALSTOM HYDRO, AREVA, CEGELEC, EDF, ELECTRICITY NORTHWEST, ESB, GENERAL ELECTRICS, NORTHERN POWERGRID, PRYSMIAN, SCOTTISH POWER, SCOTTISH & SOUTHERN ENERGY, UK POWER NETWORK OPERATIONS, ...



## Support for our clients

Our technical and commercial teams have an in-depth knowledge of the technology used by our clients, their work methods, the complexity of their processes and their constraints.

Based near their main production or maintenance sites, the teams speak the same language and have the same culture in order to facilitate contact.

Our technical support teams based in North America, Asia and Europe support our sales teams and our clients.

Their mission is to adapt our solutions and train operators in the use of our products on site.

Our teams, through their experience, contribute to the technical specifications of our clients and jointly develop new products.

## A quality policy that serves our clients requirements

Our solutions are tested and validated by accredited independent external laboratories in order to guarantee a level of quality that meets our clients' requirements, which are particularly high for obvious safety reasons, especially in relation to the transportation of passengers and transmission of electricity. Our clients audit our production facilities and the performance of our supply chain is continuously measured in order to guarantee quality products and optimised flow management for our clients, throughout the world.

Our quality policy enabled us to obtain **ISO 9001**, **EN/AS 9100** and **ISO 14001** certification.

## CONTENT

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● Socomore surface treatment line



Our laboratory has formulated state of the art paint strippers that are NMP, NEP, and chlorinated solvent free, for use by immersion or spraying. All our paint strippers are free of phenol and chromate. Our solutions have been developed for application on different substrates such as composite materials, steel and aluminium, titanium and magnesium alloys.

## Liquid paint strippers

Product name	Description	Chemistry	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>COMORCAP T4551</b>	Paint stripper for epoxy and polyurethane paint, can be used on all types of metal.	Benzyl alcohol with <b>alkaline</b> activation	Pure	20-60°C	Immersion	AIRBUS HELICOPTERS, BOEING D6, SNECMA (SAFRAN Group)
<b>HDL 202</b>	Paint stripper for aluminized paint, can be used on steel.	Strong liquid <b>alkaline</b>	30 to 40 %	82-93°C	Immersion	CFM, GE, HONEYWELL, IAE, NATO, PRATT & WHITNEY, ROLLS ROYCE, SNECMA, TURBOMECA (SAFRAN Group)
<b>KEMSTRIP 600</b>	Hot immersion paint stripper for alkyd, polyurethane, epoxy & acrylic paints, etc. Can be used on steel and aluminium and magnesium alloys.	Solvent based with <b>alkaline</b> activation	Pure	80-115°C	Immersion	ASTM F 945-06, SNECMA (SAFRAN Group), SAE
<b>SOCOSTRIP A4554</b>	Immersion paint stripper for several types of paint such as glycerol, polyurethane, epoxy & urethane alkyd paint, etc. Can be used on all types of metals and parts.	Solvent based with <b>alkaline</b> activation	Pure	60-105°C	Immersion	BOEING D6, SNECMA (SAFRAN Group)
<b>SOCOSTRIP T4210P</b>	Paint stripper for removing graffiti from all types of metal, whether coated with polyurethane and epoxy paint or uncoated.	Solvent based	Pure	Room temperature	Spraying, brushing or wiping	SNCF, SNCF
<b>SOCOSTRIP T4212</b>	Paint stripper for removing graffiti and adhesive residue from all types of metal, whether coated with polyurethane and epoxy paint or uncoated.	Solvent based	Pure	Room temperature	Wiping	SNCF, RATP
<b>SOCOSTRIP T4213</b>	Paint stripper for removing graffiti from metal and polyurethane and epoxy paint.	Solvent based	Pure	Room temperature	Spraying or wiping	SNCF





## Gel paint strippers

Product name	Description	Chemistry	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>SOCOSTRIP A0102N</b>	<i>Gel-type paint stripper for intermediate coat paint systems, for use on all metal and composite materials.</i>	Benzyl alcohol base with <b>alkaline</b> activation	Pure	18-35°C	Spraying or brushing	AIRBUS, AIR FRANCE, ATR, BOEING D6
<b>SOCOSTRIP A0103N</b>	<i>Gel-type paint stripper for epoxy and polyurethane paint systems, for use on all types of metal except magnesium.</i>	Benzyl alcohol base with <b>hydrogen peroxide</b> activation	Pure	18-35°C	Spraying or brushing	AIRBUS, AIRBUS HELICOPTERS, ATR, BOEING D6, BOMBARDIER, CAAC, CESSNA, DASSAULT AVIATION, DELTA, DGA, EMBRAER, HAWKER BEECHCRAFT, PILATUS AIRCRAFT, SNECMA (SAFRAN Group)
<b>SOCOSTRIP A0105N</b>	<i>Gel-type paint stripper for epoxy and polyurethane paint systems, for use on all types of metal except magnesium.</i>	Benzyl alcohol base with <b>hydrogen peroxide</b> activation	Pure	25-35°C	Spraying or brushing	BOEING D6
<b>SOCOSTRIP A0212</b>	<i>Gel-type paint stripper for epoxy and polyurethane paint systems, for use on aluminium alloy.</i>	Benzyl alcohol base with <b>acid</b> activation	Pure	18-35°C	Spraying or brushing	AIRBUS, AIRBUS HELICOPTERS, ATR, SNCF, SNECMA (SAFRAN Group)

**NEW**

**SOCOSTRIP A0105N: new generation paint stripper.**

- Free of phenols, chlorine and hexavalent chromium.
- For stripping all types of paint.
- Complies with Boeing D6 specifications.

*A complementary product to meet the needs of numerous manufacturers who have approved SOCOSTRIP A0103N.*

# Degreasers and cleaners

SOCOMORE has developed a wide range of aqueous **cleaning solutions** for all types of materials that can be used as effective alternatives to solvents used for surface preparation.

This range is designed for **inter-operation or critical degreasing** prior to various treatment processes (NDT, painting, etc) and covers all application methods (spray washing, in watertight washing machines, spraying, immersion with or without ultrasound, brushing, etc)

Product name	Description	pH 100%	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>ADISSOL</b>	Anti-foaming surfactant additive for aqueous degreasers.		0.1 %	40-80°C.	Immersion	SAFRAN, SNCF, SNECMA (SAFRAN Group)
<b>COMORAL DSP</b>	Alkaline inter-operation degreaser for all types of metal.		2 to 4 %	30-50°C	Spray washing	SAFRAN, SNCF, SNECMA, TURBOMECA (SAFRAN Group)
<b>COMORAL DXP</b>	Alkaline inter-operation degreaser for all types of metal.		2 to 10 %	40-80°C	Spray washing	AIRBUS, AIRBUS HELICOPTERS, DGA
<b>DG-KLEEN</b>	Alkaline inter-operation degreaser for all types of metal.		5 to 10 %	68-74°C	Spray washing	AIR CANADA, CFM, GE, HONEYWELL, IAE, NATO, PRATT & WHITNEY, ROLLS-ROYCE, ARP 1755, TURBOMECA (SAFRAN Group)
<b>FLOCULAC L</b>	Flocculant cleaner for water recycling systems in spray painting booths.		0.5 to 1 %	Room temperature	Immersion	
<b>SOCOCLEAN A2501</b>	Degreaser and cleaner prior to painting and bonding of metal and composite material surfaces.		Pure	Room temperature	Spraying, brushing or wiping	BOEING D6, RENAULT
<b>SOCOCLEAN A2519</b>	Product for removing excess sealant.		Pure	Room temperature	Wiping	BOEING D6
<b>SOCOCLEAN A2711</b>	Acid cleaner for aircraft exteriors.		Pure	Room temperature	Spraying	BOEING D6, AMS 1640B
<b>SOCOCLEAN A3431</b>	Alkaline degreaser for removing oil and grease prior to surface treatment on all types of metals.		3 to 10 %	40-45°C	Immersion	SAFRAN
<b>SOCOCLEAN A3432</b>	Borate and silicate free alkaline degreaser, for eliminating oil, ink and temporary protection from aluminium, titanium and stainless steel alloys.		8 to 12 %	25 à 55°C	Immersion	
<b>SOCOCLEAN SHINE</b>	Polish (dry wash) and solvent free water based cleaner, no rinsing required.		Pure	Room temperature	Brushing or wiping	BOEING D6, AIMS 09-00-002 & AMS 1650C

**NEW**

### **SOCOCLEAN SHINE: first solvent free polish.**

- Dry wash.
- Reduced frequency of maintenance operations.
- Easy to apply.
- No VOC emissions.
- Complies with Boeing D6-17487 (R), AIMS 09-00-002 & AMS 1650C specifications.



# Degreasers and cleaners



Product name	Description	pH 100%	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>SOCOCLEAN A3433</b>	Neutral degreaser that can be used on inter-operations prior to NDT, surface treatment and painting. Suitable for all types of metals.		3 to 10 %	40-80°C	Spray washing	MESSIER-DOWTY (SAFRAN Group), SAFRAN
<b>SOCOCLEAN AQUAFORTE</b>	Degreaser for general cleaning and degreasing prior to painting on all metal, composite and plastic materials.		Pure	Room temperature	Spraying, brushing or wiping	AIRBUS
<b>SOCOCLEAN I2478</b>	Product for removing excess sealant.		Pure	Room temperature	Wiping	
<b>SOCOCLEAN PC1</b>	Cleaning thinner for paint application equipment and circulating systems using water-dilutable and water based paints.		Pure	Room temperature	Spraying, brushing or wiping	
<b>SOCOCLEAN T3430</b>	Alkaline degreaser / descaler for use on all types of metal.		3 to 10 %	40-80°C	Spraying or immersion	SNCF
<b>SOCOMUL A2220</b>	Surfactant additive for optimising degreasing baths .		1%	40-60°C	Immersion	
<b>SOLUWAX</b>	Alkaline degreaser that can be used on all types of metal.		10 to 20 %	50-80°C	Immersion	AIR CANADA, BF GOODRICH, CFM INTERNATIONAL, GE, HONEYWELL, IAE, MTU, NATO, PRATT & WHITNEY, ROLLS-ROYCE, SAFRAN, SNECMA, TURBOMECA (SAFRAN Group)
<b>SYNCLAIR A/C</b>	Alkaline degreaser for exterior aircraft cleaning, degreasing of parts prior to surface treatment and degreasing of parts in inter-operations. Can be used on all metals, materials and painted surfaces.		5 to 20 %	Room temperature to 55°C	Spraying, immersion, brushing or wiping	AIR CANADA , AIR FRANCE, AIRBUS, AIRBUS HELICOPTERS, BOEING, BOEING D6, CAAC, DGA, OTAN, PRATT & WHITNEY, SABENA, AMS 1526C, AMS 1535C & ARP 1755B, SAFRAN, SNECMA, TURBOMECA (SAFRAN Group)
<b>SYNCLAIR A2 GEL</b>	Gel-type degreaser for external cleaning of aircraft fuselage, landing gear, landing gear bays, wheels and thrust inverters.		Pure	Room temperature	Spraying	AIR CANADA, AIR FRANCE, AIRBUS FRANCE, AIRBUS HELICOPTERS, BOEING D6, COMAC, DASSAULT AVIATION, DGA, SAE, PRATT & WHITNEY, SABENA, AMS 1523A & 1535C, SAFRAN, SNECMA, TURBOMECA (SAFRAN Group)

\* Refer to the product technical data sheet for the specification and approval references.

Thanks to over **40 years of experience in the formulation of solvents and degreasers**, combined with our knowledge in the field of textiles over the last 10 years, SOCOMORE has perfected specific pairings of innovative and high performance cloths & pre-saturation solutions for the removal of ink, grease, oil, sealant, wax, adhesive, temporary protection and CIC, dust, etc. They are adapted to our clients' requirements and are approved by the major companies in the aeronautical, automotive, rail and energy industries for cleaning prior to painting or bonding, inter-operations or general cleaning.

SOCOMORE has combined the manufacturing of chemical solutions, wipe cutting, saturation and packaging operations within our factories to ensure complete product control, complete traceability and wide ranging adaptability to our client's requirements.

## Pre-saturated Wipes

Our wipes are saturated with SOCOMORE formulated solvents (DIESTONE, HYSO and SOCOSOLV solvent ranges), water based solutions (SOCOCLEAN range) and raw materials (MEK, IPA, Heptane).

The wipes will help you to improve your environmental performance by reducing the quantity of solvents used, VOC<sup>(2)</sup> emissions and waste.

Product name	Description	Cloth type	Weight	Pre-saturation solutions	Approvals / Specifications*
<b>PROSAT (CONTEC)</b>	<i>For surface preparation prior to painting.</i>	Polypropylene. Non-woven. Folded in four. Flat packs.	36 gr/m <sup>2</sup>	DIESTONE DLS, HEPTANE, IPA, IPA 85/15, IPA 70/30, WS 40, etc).	ASTON MARTIN, FAURECIA, DAIMLER, CHRYSLER, FORD, GENERAL MOTORS, TOYOTA, DIAMOND AIRCRAFT, HONDA, MERCEDES AMERICAN FREIGHTLINER-PETERBILT TRUCK, THOMAS BUILT BUS, TIFFIN MOTORCOACH
<b>SATWIPE C86 (CONTEC)</b>	<i>For removing excess sealant and surface preparation prior to bonding and painting.</i>	100 % viscose. Non-woven. Pre-cut rolls or flat packs.	60 gr/m <sup>2</sup>	Large variety of solvents and solvent mixtures available (DIESTONE DLS, DIESTONE D, HEPTANE, IPA, IPA 70/30, IPA 85/15, etc).	Meets the requirements of AMS 3819 C and BMS 15-5G
<b>SOCOSAT 15100</b>	<i>For preparing highly abrasive or riveted painted or un-painted surfaces (metal or composite materials) prior to painting.</i>	100 % polyester. Knitted, does not run. Flat packs.	110 gr/m <sup>2</sup>	Large variety of solvents, solvent mixtures and water based degreasers available (DIESTONE DLS, DIESTONE A8284, SOCOCLEAN AQUAFORTE, DIESTONE R, etc).	AIRBUS
<b>SOCOSAT 180</b>	<i>For removing excess sealant and surface preparation prior to bonding and painting.</i>	100 % viscose. Non-woven. Pre-cut rolls.	50 gr/m <sup>2</sup>	Large variety of solvents and solvent mixtures available (DIESTONE DLS, DIESTONE D, HEPTANE, IPA, IPA)	RENAULT
<b>SOCOSAT P45</b>	<i>For removing excess sealant. Associated with SOCOCLEAN A2519 or SOCOCLEAN I2478, VOC free solvent.</i>	100 % polyester. Non-woven. Pre-cut rolls.	45 gr/m <sup>2</sup>	Large variety of solvents and solvent mixtures available (DIESTONE DLS, SOCOCLEAN I2478, etc).	GRUPE BENETEAU, AIRBUS
<b>SOCOSAT PPA60</b>	<i>For surface preparation prior to painting and cleaning fine dust (composite materials).</i>	Microfilament, polyester, polyamide. Non-woven. Folded in 4. Flat packs.	60 gr/m <sup>2</sup>	Solvent and water-based solutions	
<b>SOCOSAT PPA80</b>	<i>For preparing highly contaminated, riveted or abrasive large surfaces prior to painting.</i>	Microfilament, polyester, polyamide. Non-woven. Pre-cut rolls.	80 gr/m <sup>2</sup>	Large variety of solvents and solvent mixtures available (DIESTONE DLS, DIESTONE A8284, etc).	SAE - Assessed according to AMS 3819C
<b>SOCOSAT VP80</b>	<i>For surface preparation prior to painting and other cleaning operations on large surfaces &gt; 1m<sup>2</sup>.</i>	Viscose, polyester. Non-woven. Pre-cut rolls.	80 gr/m <sup>2</sup>	Large variety of solvents and solvent mixtures available (DIESTONE DLS, DIESTONE D, HEPTANE, IPA, IPA 70/30, IPA 85/15, etc).	- Complies with BOEING-17487 paint adhesion test performed using DIESTONE DLS. - Assessed according to AMS 3819C

**PRE-SATURATED WIPES<sup>(1)</sup>**  
= REDUCTION IN VOC<sup>(2)</sup>

### Controlled evaporation rate

- Reduction in solvent consumption
- Reduction in fire risks

- Reduction in VOC emissions
- Increased production performance
- Reduction in waste generated
- Improved worker safety



## Dry wipes

Our range of dry technical wipes is designed for cleaning of painting and sealing equipment, wipe-off and polishing operations.

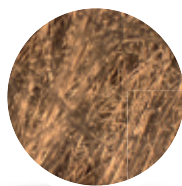


Product name	Description	Cloth type	Approvals / Specifications*
<b>CLEAN TUBE (CONTEC)</b>	<i>Facilitates the cleaning of excess sealant. Manufactured in a Class 10 cleanroom. Can be washed and reused. Available with a smooth or embossed surface.</i>	100 % polyester. Knitted. Tubular form.	DAIMLER CHRYSLER, FORD, GENERAL MOTORS, TOYOTA, AUTO ALLIANCE, HONDA, MERCEDES, SUBARU
<b>POLYWIPES (CONTEC)</b>	<i>Good absorption of solvents. Abrasion resistant. Manufactured and packaged in a Class 10 cleanroom. Low rate of particle and lint release.</i>	100 % polyester. Knitted, does not run. Flat packs.	AIRBUS
<b>QUILTEC (CONTEC)</b>	<i>For cleaning painting tools. Strength and durability is considerably increased by the 2-ply structure. Manufactured and packaged in a Class 10 cleanroom.</i>	100 % woven polyester. Flat packs.	PEUGEOT, AIRBUS
<b>SOCOSHINE</b>	<i>Extremely soft wipe, effective in polishing and finishing operations. Available with or without stitched edge. Washable up to 30 times.</i>	Polyester polyamide microfiber. Flat packs.	FIAT AUTO, ROLLS ROYCE
<b>SOCOWIPES</b>	<i>Technical wiping during surface preparation. It is also very efficient at removing excess sealant.</i>	Non-woven. Polyester cellulose. Pre-cut rolls.	
<b>SOCOWIPES VP50</b>	<i>Technical wiping during surface preparation. It is also very efficient at removing excess sealant.</i>	Non-woven. Polyester viscose. Pre-cut rolls.	
<b>SONTARA AC</b>	<i>Technical wiping. Developed for greater strength and improved performance.</i>	Non-woven. Polyester cellulose. Pre-cut rolls.	AIRBUS, BOEING, BOMBARDIER AEROSPACE, CESSNA, JAPAN DEFENSE AGENCY, PRATT & WHITNEY, SAE, US AIR FORCE, US NAVY
<b>SONTARA EC</b>	<i>Technical wiping. Developed for greater strength and improved performance.</i>	Non-woven. Polyester pulp. Pre-cut rolls.	AIRBUS HELICOPTERS, EADS CASA

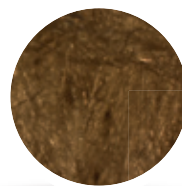
### WIPE TEXTURE



SATWIPES C86  
Openwork



SOCOSAT P45  
Openwork



SOCOSAT PPA60  
Spunlaced



SOCOSAT PPA80  
Calendered

## Tack cloths for dust removal

Product name	Description	Cloth type	Saturation solution
<b>TAXFRE (CONTEC)</b>	<i>Suitable for removing dust prior to painting and bonding, and final dust removal after sanding.</i>	100 % polyester. Non-woven.	Low saturation of synthetic resin

Our dry or pre-saturated wipes are available in rolls or flatpacks in various sizes to meet the requirements of our clients. They adapt to fit dispensers to facilitate ease of storage and use.

## Wipe dispensers

Product name	Associated wipes
<b>CANISTER</b>	<i>For SATWIPES, SOCOSAT I80 and P45</i>
<b>METAL CANISTER</b>	<i>For SOCOSAT E, I80 and P45</i>
<b>WALL MOUNTED DISPENSER</b>	<i>For SOCOWIPES VP50</i>
<b>FREE-STANDING WINDER</b>	<i>For SOCOWIPES</i>
<b>MINI JUMBO</b>	<i>For SATWIPES C86 and SOCOSAT VP60</i>
<b>JUMBO</b>	<i>For SATWIPES C86</i>
<b>JUMBO (24 09 - 24 16)</b>	<i>For SOCOSAT VP80 and PPA 80</i>
<b>FLATPACK</b>	<i>For SATWIPES</i>

WALL MOUNTED DISPENSER



FREE-STANDING WINDER



JUMBO/MINI JUMBO



METAL CANISTER



FLATPACK

CANISTER

### FOCUS

**A wide range of dry and pre-saturated wipes:** various formats are available, in rolls and flatpacks, to meet our clients requirements.



**Refillable and reusable canisters** to reduce the impact on the environment.



# Water-based lubricants

SOCOMORE has a range of lubricants for use on different materials (metal and elastomeric) for the protection of parts during assembly, forming and drawing operations.

Lubricants designed for cable pulling and blowing installations in the energy sector\* have also enriched our range.

Product name	Description	Process concentration	Process temperature	Application method	Approvals / Specifications**
<b>SOCOLUB S</b>	<i>Anti-adhesive liquid that can be applied on all metal surfaces to avoid welding spatter build-up.</i>	Pure	Room temperature	Spraying	
<b>SOCOLUB VO 690</b>	<i>Liquid lubricant to facilitate tyre fitting and removal.</i>	Pure	Room temperature	Spraying	
<b>SOCOPROTEC V0683</b>	<i>Lubricant used as a slipping agent for elastomers, particularly adapted for the lubrication of metal/rubber interfaces.</i>	Pure	0-60°C	Brushing	PSA PEUGEOT CITROEN
<b>SOCOLUB V0692</b>	<i>Lubricating gel to facilitate tyre fitting and removal.</i>	Pure	Room temperature	Spraying	
<b>SOCOPROTEC V0694</b>	<i>Lubricant used as a slipping agent for elastomers, particularly adapted for the lubrication of metal/rubber interfaces.</i>	Pure	0-60°C	Brushing	PSA PEUGEOT CITROEN
<b>SOCOSTRETCH 10</b>	<i>Water-soluble grease for forming and drawing aluminium alloy parts.</i>	Pure	Room temperature	Spraying, immersion or brushing	AIRBUS, EADS CASA



\* Refer to the specific Energy market catalogue

\*\* Refer to the product technical data sheet for the specification and approval references

To meet your surface protection requirements, SOCOMORE has a range of protective products: washable temporary protection, peelable temporary protection, water based, oily and waxy corrosion inhibitors and release agents.

These products can be applied on a wide range of materials (metal or composite, painted or un-painted) for protection against environmental, physical (scratches, shock, climate erosion) or chemical attack (resistance to acidic or alkaline products).

## Corrosion Inhibitor Compounds (CIC)

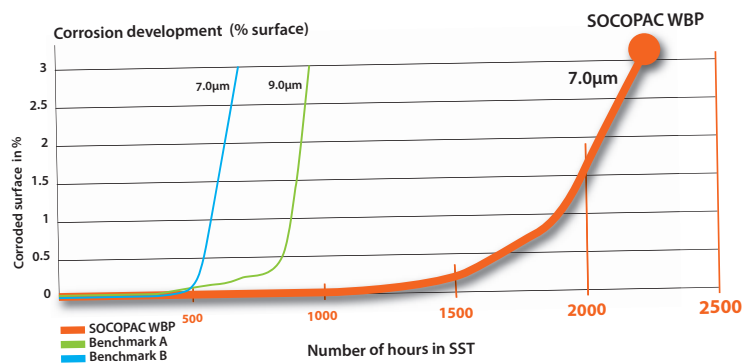
Product name	Description	Chemistry	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>SOCOPAC WBP</b>	Long lasting temporary water-repellent and penetration resistant protection.	Water-based	Pure	Room temperature	Spraying, immersion or brushing	
<b>SOCOPAC 25H</b>	Medium term temporary water-repellent and penetration resistant protection.	Resin and wax in hydrocarbon solution	Pure	Room temperature	Spraying or immersion	AIRBUS, AIRBUS HELICOPTERS, DASSAULT AVIATION, DGA, EADS CASA
<b>SOCOPAC 50S</b>	Long term temporary water-repellent protection.	Resin and wax in hydrocarbon solution	Pure	Room temperature	Spraying, immersion or brushing	AIRBUS, DASSAULT AVIATION, DGA, EADS CASA, FORD, LEROY SOMER, SNECMA (SAFRAN Group), SPANAIR, TURBOMECA (SAFRAN Group)
<b>SOCOPAC 65H</b>	Long term temporary water-repellent and penetration resistant protection.	Resin and wax in hydrocarbon solution	Pure	Room temperature	Spraying, immersion or brushing	AIR FRANCE, AIRBUS, BOEING, BOMBARDIER CANADAIR, COMAC, DASSAULT AVIATION, DGA, EADS CASA, ROLLS ROYCE, SNECMA (SAFRAN Group), TURBOMECA (SAFRAN Group)
<b>WADIS 11B</b>	Water-repellent oil for short term protection on all types of metal.	Oil, anti-corrosion and anti-penetration agents in hydrocarbon solution	Pure	Room temperature	Spraying or immersion	TURBOMECA (SAFRAN Group)
<b>WADIS 24/60</b>	Water-repellent oil for short term protection on all types of metal.	Oil, anti-corrosion and anti-penetration agents in hydrocarbon solution	Pure	Room temperature	Spraying, immersion, brushing or wiping	AIRBUS HELICOPTERS, DGA, HISPANO-SUIZA, MESSIER-DOWTY, PRATT & WHITNEY, SNECMA, TURBOMECA (SAFRAN Group)

**NEW**

### SOCOPAC WBP: the first effective water-based CIC

- Reduces operational cycle times.
- Reduces the frequency of maintenance operations.
- A EH&S innovation.
- Reinforces corrosion resistance.

**PATENTED**



## Protection Removal

Product name	Description	Chemistry	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>DIESTONE DLS</b>	<i>Cleaning and degreasing of metal and composite material surfaces prior to painting, bonding and sealant application.</i>	Oxygenated and aliphatic solvent based blend	Pure	Room temperature	Spraying, brushing, or wiping	AGUSTA WESTLAND, AIR CANADA, AIR FRANCE, AIRBUS, AIRBUS UK, ALENIA AERMACCHI, BAE SYSTEMS, BELL HELICOPTER, BOEING, BOMBARDIER CANADAIR, CAAC, CFM, COMAC, DASSAULT AVIATION, DE HAVILLAND, DGA, EADS CASA, EMBRAER, EUROCOPTER, GE, GOODRICH, GULFSTREAM, IAE, MESSIER-DOWTY (SAFRAN Group), NATO, PILATUS, PRATT & WHITNEY, ROLLS-ROYCE, SAAB, ARP 1755B, SAFRAN, SNCF, SNECMA, TURBOMECA (SAFRAN Group)
<b>SOCOSOLV A3582</b>	<i>Colourless gel-type product for removing corrosion inhibitor compounds and grease.</i>	Emulsifiable and thixotropic solvent	Pure	Room temperature	Spraying, immersion or brushing	AIRBUS, AIR FRANCE, BOEING, AMS 1535C, SNCF
<b>SYNCLAIR A2 GEL</b>	<i>Gel-type product for removing temporary washable protection.</i>	Alkaline detergent solution	Pure	Room temperature	Spraying	AIR CANADA, AIR FRANCE, AIRBUS HELICOPTERS, AIRBUS FRANCE, BOEING, COMAC, DASSAULT AVIATION, DGA, AIRBUS HELICOPTERS, AMS 1523A & AMS 1535C
<b>DIESTONE A8284</b>	<i>Cleaning and degreasing of metal and composite material parts and removal of paint, varnish, adhesive, oil, grease, etc.</i>	Oxygenated solvent based blend	Pure	Room temperature	Immersion or wiping	AIRBUS, BOEING, D6, ASTM

## Water-based Corrosion Inhibitor

Product name	Description	Chemistry	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>CORROTEK</b>	<i>Corrosion inhibitor for the protection of ferrous metals</i>	Water-based and ethanalamine borate based solution	3 to 5 %	60-77°C	Spraying or immersion	AIR CANADA, CFM, EUROCOPTER, GE, HONEYWELL, IAE, PRATT & WHITNEY, TURBOMECA (SAFRAN Group)

## Release Agents

Product name	Description	Chemistry	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>EUROCOAT</b>	<i>Release agent for production moulds of composite material parts.</i>	97% dry content	Pure	120-180°C	Spraying or wiping	EUROCOPTER

\* Refer to the product technical data sheet for the specification and approval references.



## Chemical Milling Mask

Product name	Description	Chemistry	Process concentration	Process temperature	Application method
<b>AC 972 WB</b> AC PRODUCT	<i>Protection of aluminium and titanium alloy surfaces during chemical milling</i>	Water-based resin solution	Pure	Room temperature	Immersion or spraying
<b>AC-2K MASKANT</b> AC PRODUCT	<i>Protection of aluminium and titanium alloy surfaces during chemical milling</i>	Bi-component product: mixture of polyurethane and isocyanate	Pure	Room temperature	Spraying
<b>SOCOMASK PRT18</b>	<i>Protection of aluminium and titanium alloy surfaces during chemical milling</i>	Resin in toluene based solution	Pure	Room temperature	Immersion or spraying
<b>SOCOMASK PRT2130</b>	<i>Protection of aluminium and titanium alloy surfaces during chemical milling</i>	Resin in toluene based solution	Pure	Room temperature	Immersion or spraying
<b>SOCOMASK T2242</b>	<i>Protection of aluminium and titanium alloy surfaces during chemical milling</i>	Resin in toluene based solution	Pure	Room temperature	Immersion or spraying

## Temporary Protection

Product name	Description	Chemistry	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>PELLICAL 119 C</b>	<i>Peelable white varnish for spray painting booth walls.</i>	Resin in hydro alcoholic solution	Pure or diluted with DIESTONE S	Room temperature	Spraying or brushing	AIRBUS
<b>PROPACO AP2</b>	<i>Washable corrosion and scratch resistant protection for use on all types of metal, painted or unpainted.</i>	Resin in water based solution	Pure	Room temperature	Spraying, immersion or brushing	COMAC, EMBRAER
<b>PROPACO R</b>	<i>Temporary or definitive protective varnish for metal or plastic parts.</i>	Polymer in hydro alcoholic solution	Pure	5 to 35°C	Spraying, immersion or brushing	SNECMA (Safran Group), TURBOMECA (SAFRAN Group)
<b>PROPACO SC</b>	<i>Washable corrosion and scratch resistant protection for use on all types of metal, painted or unpainted.</i>	Resin in hydro alcoholic solution	Pure	Room temperature	Spraying, immersion or brushing	AIRBUS, DASSAULT AVIATION, DGA



# Sol-Gels and conversion solutions

SOCOMORE works with its partners and manufacturing clients to develop innovative solutions that allow, through their technical and environmental performance, the elimination of chromium from painting processes.

## Sol-gels

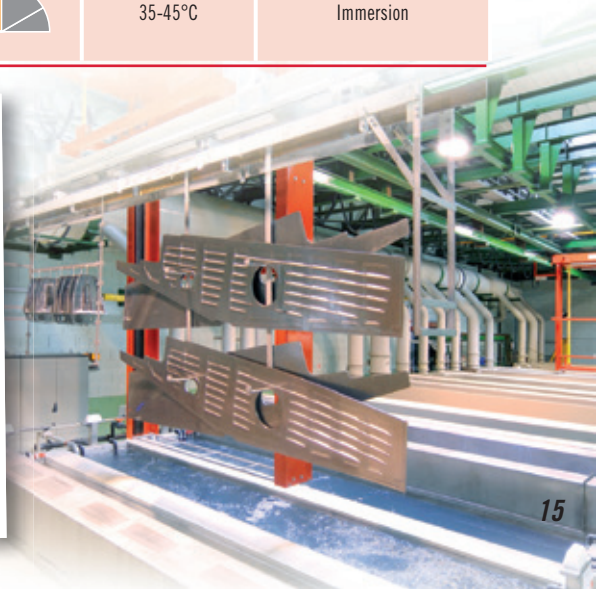
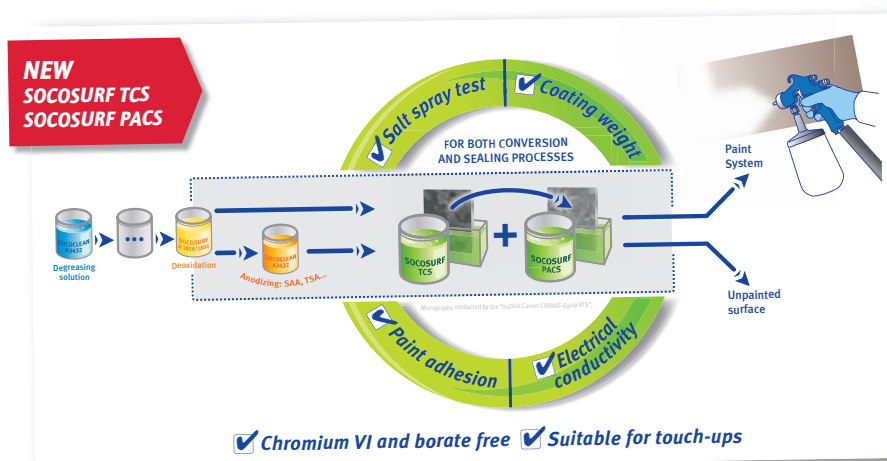
Socomore Sol-gels are aqueous solutions of metallic alkoxides, which form a polymerised network through a double reaction of hydrolysis and condensation. They can be used on metallic and composite surfaces as **adhesion enhancers and/or protective coatings**, prior to painting or bonding, with the option of anti-corrosion, anti-scratch, anti-erosion, anti-soiling or aesthetic properties.

Product name	Description	Application method	Polymerisation temperature	Approvals / Specifications*
<b>SOCOGEL A0104</b>	Chromium salt free <b>protective coating and adhesion enhancer with intrinsic anti-corrosion properties</b> for use on aluminium and titanium alloys prior to painting.	Spraying, wiping or immersion	110°C	
<b>SOCOGEL A0203 BLUE</b>	Chromium salt free <b>adhesion enhancer</b> for use on aluminium and titanium alloys prior to painting. Compatible with stainless steel and composite materials.	Spraying	Room temperature	AIRBUS
<b>SOCOGEL B0102</b>	Chromium salt free <b>adhesion enhancer</b> for use on aluminium and titanium alloys prior to bonding. Compatible with stainless steel and composite materials.	Spraying, wiping or immersion	From room temperature to 60°C	BOEING, AIRBUS HELICOPTERS
<b>SOCOGEL B0202</b>	Chromium salt free <b>adhesion enhancer</b> for use on aluminium and titanium alloys prior to painting. Compatible with stainless steel and composite materials.	Spraying, wiping or immersion	From room temperature to 60°C	BOEING, COMAC, DASSAULT AVIATION
<b>SOCOGEL B0202 BLUE</b>	Chromium salt free <b>adhesion enhancer</b> for use on aluminium and titanium alloys prior to painting. Compatible with stainless steel and composite materials.	Spraying, wiping or immersion	From room temperature to 60°C	BOEING, COMAC
<b>SOCOGEL HCP</b>	Chromium salt free <b>protective coating and adhesion enhancer with intrinsic anti-corrosion properties</b> for use on aluminium and titanium alloys prior to painting.	Spraying or immersion	110°C	

## Conversion Solutions

The SOCOMORE chromium III-based **post-anodising conversion and sealing process** is an alternative for manufacturers, industrialists and their sub-contractors, who are seeking to replace their chromium VI baths with a solution that has the same level of effectiveness on aluminium and magnesium alloys.

Product name	Description	PH 100%	Process temperature	Application method
<b>SOCOSURF PACS</b>	Chromium VI free passivating rinse following conversion or anodization process. Can be used on aluminium and magnesium, after SOCOSURF TCS.	2-7	20-30°C	Immersion
<b>SOCOSURF TCS</b>	Chromium VI free conversion or sealing treatment following anodization process. Can be used on aluminium and magnesium.	2-7	35-45°C	Immersion











Our formulated solvents are **part of the historical SOCOMORE** product range.

Our large range of formulated solvents is designed for numerous applications, such as **degreasing and surface preparation operations on all materials, and cleaning of paint application equipment.**

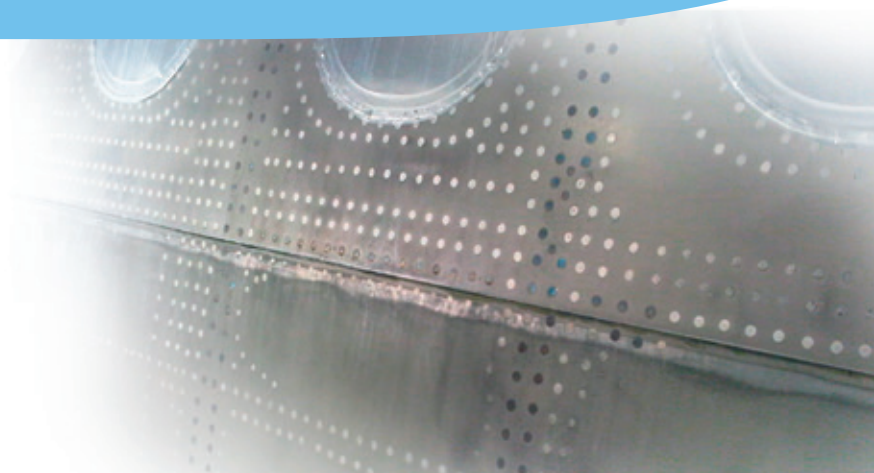
Our solvents take into account changes in Environment, Health & Safety (EH&S) regulations and **certain solvents in our range are bio-sourced.**






We have acquired extensive recognition from manufacturers and benefited from numerous approvals due to our expertise in the field of solvents.

## Diestone Range

Product name	Description	Chemistry	Flash point ***	VOC / NON VOC**	Application method	Approvals / Specifications*
<b>DIESTONE A8284</b>	<i>For the general cleaning of metal or composite material parts.</i>	Oxygenated solvent based blend		0 %	Immersion or wiping	AIRBUS, BOEING D6, ASTM F1110
<b>DIESTONE A8287</b>	<i>For the cleaning of resin application equipment, as a replacement for acetone, MEK or toluene. Reactivating solvent for cleaning metal or painted surfaces prior to painting.</i>	Aromatic solvent based blend		100 %	Immersion, brushing or wiping	DGA, SAFRAN, TURBOMECA (SAFRAN Group)
<b>DIESTONE A8290</b>	<i>For painting, stripping, manufacturing and assembly workshops. Offers excellent cleaning of equipment for solvent based paints and paint guns.</i>	Oxygenated and aliphatic solvent based blend		100 %	Spraying, brushing or wiping	BOEING D6, AIRBUS HELICOPTERS
<b>DIESTONE D</b>	<i>For cleaning and degreasing of metal and composite material surfaces prior to painting.</i>	Oxygenated and aliphatic solvent based blend		100 %	Spraying, brushing or wiping	AIR FRANCE, AIRBUS, ATR, DASSAULT AVIATION, DGA, EADS CASA, AIRBUS HELICOPTERS, ROLLS-ROYCE, SAFRAN, TURBOMECA (SAFRAN Group)
<b>DIESTONE DLS</b>	<i>For cleaning and degreasing of metal and composite material surfaces prior to painting, bonding and sealant application.</i>	Oxygenated and aliphatic solvent based blend		100 %	Spraying, brushing or wiping	AGUSTA WESTLAND, AIR CANADA, AIR FRANCE, AIRBUS, AIRBUS UK, ALENIA, AIRBUS HELICOPTERS, AER-MACCHI, BAE SYSTEMS, BELL HELICOPTER, BOEING, BOEING D6, BOMBARDIER CANADAIR, CAAC, CFM, COMAC, DASSAULT AVIATION, DE HAVILLAND, DGA, EADS CASA, EMBRAER, GE, GOODRICH, GULF STREAM, IAE, NATO (OTAN), PILATUS, PRATT & WHITNEY, ROLLS-ROYCE, SAAB, ARP 1755B, SAFRAN, SNCF, MESSIER-DOWTY, SNECMA, TURBOMECA (SAFRAN Group)
<b>DIESTONE DLS/UV</b>	<i>For cleaning and degreasing of metal and composite material surfaces prior to painting and bonding.</i>	Oxygenated and aliphatic solvent based blend		100 %	Wiping	
<b>DIESTONE E</b>	<i>For painting, stripping, manufacturing and assembly workshops. Offers excellent cleaning of equipment for solvent based paints and paint guns.</i>	Oxygenated solvent based blend		100 %	Spraying, brushing or wiping	
<b>DIESTONE G11</b>	<i>Cleaning thinner for paint application equipment and circulating systems using water-based paints.</i>	Oxygenated solvent based blend		70 %	Spraying, brushing or wiping	





Product name	Description	Chemistry	Flash point***	VOC / NON VOC**	Application method	Approvals / Specifications*
<b>DIESTONE HFP</b>	<i>For cleaning and degreasing of metal and composite material surfaces prior to painting, bonding and sealant application.</i>	Oxygenated and aliphatic solvent based blend		100 %	Spraying, brushing or wiping	BELL, HELICOPTER, BOEING, BOEING D6, BOMBARDIER CANADAIR, DE HAVILLAND
<b>DIESTONE R</b>	<i>For cleaning and degreasing of adhesive and sealant residue on metal and composite material surfaces.</i>	Ethyl lactate solvent based blend. <b>Bio-sourced product.</b>		100 %	Wiping	AIRBUS UK
<b>DIESTONE S</b>	<i>For cleaning and degreasing metal surfaces prior to painting, bonding and sealant application.</i>	Oxygenated solvent based blend		100 %	Spraying, brushing or wiping	AIRBUS FRANCE, ATR, DASSAULT AVIATION, EADS CASA, TURBOMECA (SAFRAN Group)
<b>DIESTONE SR</b>	<i>For cleaning of sealant, oil and adhesive residue on composite material surfaces.</i>	Aromatic solvent based blend		100 %	Immersion, spraying, brushing or wiping	AIRBUS UK, BOEING, McDONNELL DOUGLAS, ROLLS-ROYCE, SMI
<b>DIESTONE SRM</b>	<i>For cleaning of sealant and oil residue on composite material surfaces.</i>	Aromatic solvent based blend		100 %	Immersion, spraying, brushing or wiping	AIRBUS UK, BOMBARDIER




**FOCUS**

**The solvent range available in IBC, drums, cans, bottles (with our without trigger sprays), aerosols, pouches, etc.**











\* Refer to the product technical data sheet for the specification and approval references




\*\* VOC /non-VOC: in accordance with European legislation in force on the 01/01/2010.

\*\*\*  <23°C: highly flammable,  between 23°C and 60°C: flammable,  >60°C: no label. Refer to the safety data sheet for more information on product flash point.







## Hyso Range

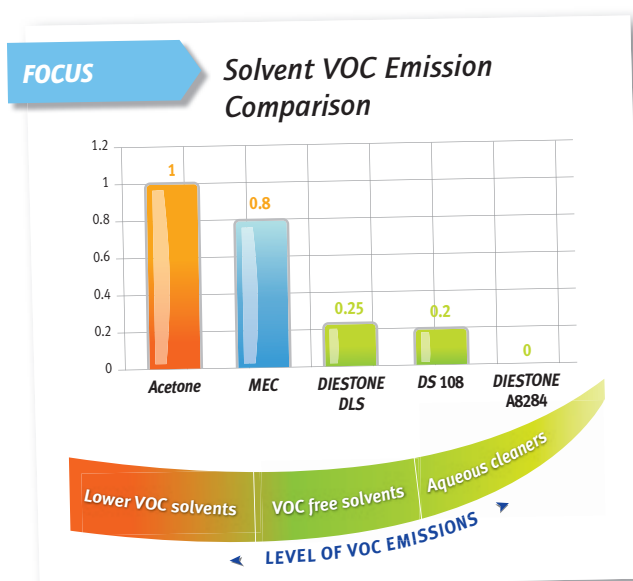
Product name	Description	Chemistry	Flash point***	VOC / NON VOC**	Application method	Approvals / Specifications*
<b>HYSO 93</b>	<i>Inter-operation degreaser for all metal and thermoset composite material surfaces and mechanical parts, even if wet.</i>	Aliphatic solvent based blend		0 %	Immersion, spraying, degreasing fountain, brushing or wiping	DASSAULT AVIATION, DGA, PRATT & WHITNEY, ARP 1755B, SAFRAN, SNCF, TURBOMECA (SAFRAN Group)
<b>HYSO 96/1</b>	<i>Inter-operation degreaser for all metal and thermoset composite material surfaces and mechanical parts, even if wet.</i>	Aliphatic and oxygenated solvent based blend		100 %	Immersion, spraying or brushing	
<b>HYSO 96/3</b>	<i>Inter-operation degreaser for all metal and thermoset composite material surfaces and mechanical parts, even if wet.</i>	Aliphatic solvent based blend		100 %	Immersion, spraying or brushing	BOEING D6, DGA, SAFRAN, TURBOMECA (SAFRAN Group)
<b>HYSO 96/4</b>	<i>For cleaning grease, oil, tar, carbon deposits and protections prior to painting, bonding or sealant application.</i>	Aliphatic solvent based blend		100%	Wiping	AIRBUS UK, MARTIN BAKER
<b>HYSO 97/1</b>	<i>Inter-operation degreaser for all metal and thermoset composite material surfaces and mechanical parts, even if wet.</i>	Aliphatic and oxygenated solvent based blend		100 %	Wiping or brushing	SAFRAN, TURBOMECA (SAFRAN Group)
<b>HYSO 99</b>	<i>For cleaning and degreasing metal surfaces, painted or unpainted, as well as plastic materials (polyester, ABS, polyurethane, etc.)</i>	Aliphatic solvent based blend		100 %	Wiping or brushing	AIRBUS FRANCE, AIRBUS HELICOPTERS
<b>HYSO F</b>	<i>For cleaning and degreasing metal and composite material surfaces, prior to painting, bonding and sealant application.</i>	Aliphatic solvent based blend		100 %	Immersion, spraying, brushing or wiping	AIRBUS UK, BOEING, BOMBARDIER, McDONNELL DOUGLAS, ROLLS-ROYCE, SMI, SNECMA (SAFRAN Group), UNITED TECHNOLOGIES
<b>HYSO QD</b>	<i>For cleaning and degreasing metal surfaces and plastic materials, prior to painting, bonding and sealant application.</i>	Aliphatic solvent based blend		100%	Immersion, spraying, brushing or wiping	AIRBUS, BOEING, BOMBARDIER AEROSPACE, IPECO MANUAL, McDONNELL DOUGLAS, ROLLS-ROYCE, SMI

## Socosolv Range

Product name	Description	Chemistry	Flash point***	VOC / NON VOC**	Application method	Approvals / Specifications*
<b>SOCOSOLV 99/1</b>	<i>Inter-operation degreasing agent for all metal and thermoset composite material surfaces and mechanical parts, even if wet.</i>	Aliphatic and oxygenated solvent based blend		100 %	Spraying, brushing or wiping	AIRBUS, AIRBUS HELICOPTERS, DGA, SAFRAN, TURBOMECA (SAFRAN Group)
<b>SOCOSOLV A3582</b>	<i>Colourless gel-type product for removing corrosion inhibitor compounds and grease.</i>	Emulsifiable and thixotropic solvent		0 %	Spraying, brushing or wiping	AIRBUS, AIR FRANCE, BOEING D6, AMS 1535C, SNCF
<b>SOCOSOLV 18275</b>	<i>For cleaning polyester resin application tools and cleaning prior to painting, bonding, coating and sealant application.</i>	Oxygenated solvent based blend		100 %	Wiping or brushing	




## Other solvents

Product name	Description	Chemistry	Flash point***	VOC / NON VOC**	Application method	Approvals / Specifications*
<b>DS 108</b>	For cleaning and degreasing of metal and composite material surfaces prior to painting, bonding and sealant application.	Ethyl lactate, aliphatic and oxygenated solvent based blend. <b>Bio-sourced product</b>		100 %	Spraying, brushing or wiping	AIRBUS, BOEING COMMERCIAL, BOEING DEFENSE, BOEING/McDONNELL DOUGLAS, BOMBARDIER CANADAIR, EMBRAER, LOCKHEED MARTIN AERO, LOCKHEED MARTIN SPACE, PRATT & WHITNEY, SAE, U.S. NAVY
<b>DS 801</b>	Environmentally friendly solvent for cleaning spray painting guns and paint application equipment.	Aliphatic and oxygenated solvent based blend			Spraying or immersion	LOCKHEED MARTIN
<b>DS 804</b>	Environmentally friendly solvent for cleaning spray painting guns and paint application equipment.	Aliphatic and oxygenated solvent based blend			Spraying or immersion	BOMBARDIER
<b>D-SOLV</b>	Masking wax remover for galvanising operations.	Hydro treated oils and surfactants based blend		0 %	Immersion	CFM, GE, IAE, OTAN, PRATT & WHITNEY, ROLLS-ROYCE, SNECMA (SAFRAN Group), TURBOMECA (SAFRAN Group)
<b>HYSOMUL MC</b>	Emulsifiable degreaser for eliminating persistent contaminants, burnt oil residues and hardened grease on mechanical parts. Removal of temporary, oily or wax-like protection products.	Solution of hydrocarbon, anionic soaps and alkaline salts		48 %	Spraying or immersion	AIR FRANCE, DGA
<b>SOCOCLEAN A2501</b>	Cleaning and degreasing of metal and composite material surfaces prior to painting and bonding.	Water-based blend based on oxygenated solvents		< 30%	Spraying, brushing or wiping	BOEING, RENAULT



\* Refer to the product technical data sheet for the specification and approval references






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# Treatment and activation solutions for metal surfaces

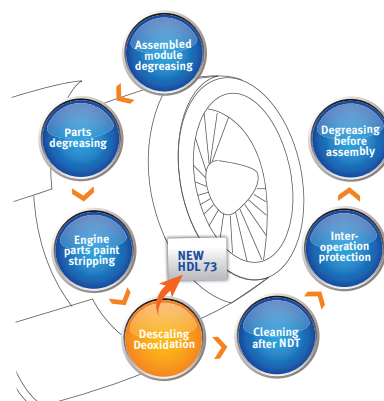
SOCOMORE has developed a specialised range designed for treating oxides on different metals. This range is designed for **etching, descaling, deoxidising and conditioning of oxides** and covers all application methods (spraying, immersion with or without ultrasound, brushing, etc.)

## Surface treatment line for aircraft engines

Product name	Type	Description	Chemistry	pH **	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>AP 954</b>	Deoxidiser	Removes rust and oxides from ferrous surfaces.	Concentrated solution of phosphoric acid, detergents and corrosion inhibitors		50 %	Up to 60°C	Spraying, immersion or brushing	CFM, GE, HONEYWELL, PRATT & WHITNEY, SNECMA (SAFRAN Group), TURBOMECA (SAFRAN Group)
<b>AP 988</b>	Deoxidiser	Removes complex metal oxide and scaling deposits formed on hot surfaces of jet engine components.	Concentrated solution of organic acid, detergents and corrosion inhibitors		15 to 20 %	80-85°C	Immersion	AIR FRANCE, CFM, GE, HONEYWELL, IAE, PRATT & WHITNEY, ROLLS ROYCE, SNECMA (SAFRAN Group), TURBOMECA (SAFRAN Group)
<b>HDL 202</b>	Descaler/Deoxidiser	High alkaline descaling deoxidiser for steel, high strength steel and Inconel. Removes carbon, complex metal oxide and scaling deposits formed on hot surfaces of jet engine components.	Concentrated sodium solution of strong chelates		30 to 40 %	82-93°C	Immersion	CFM, GE, HONEYWELL, IAE, NATO, PRATT & WHITNEY, ROLLS-ROYCE, SNECMA (SAFRAN Group), TURBOMECA (SAFRAN Group)
<b>HDL 2524</b>	Oxide converter	Removes complex metal oxide and scaling deposits formed on caustic surfaces of jet engine components.	Two-part liquid product (HDL 2524C and HDL 2524P) based on caustic / sodium permanganate		max 25% HDL 2524P and 50% HDL 2524C	82-93°C	Immersion	CFM, GE, PRATT & WHITNEY, ROLLS-ROYCE, TURBOMECA (SAFRAN Group)
<b>HDL 73/ HDL 73W</b>	Deoxidiser	Removes complex metal oxide deposits formed on hot surfaces of jet engine components.	Mixture of neutralised complex organic acids		30-40%	75-85°C	Immersion	GE, IAE, PRATT & WHITNEY, ARP 1755B, TURBOMECA
<b>KEMSTRIP 600</b>	Descaler	Descaling of all metal parts.	Solvent based with alkaline activation. NEP and NMP free		Pure	80-110°C	Immersion	ASTM F 945-06, SNECMA (SAFRAN Group), SAE

**NEW**

**HDL 73W  
for engine  
maintenance**



\* Refer to the product technical data sheet for the specification and approval references.



## Surface Treatment Lines

Product name	Type	Description	Chemistry	pH**	Process concentration	Process temperature	Application method	Approvals / Specifications*
<b>SOCOCLEAN A3068</b>	Activator	Surface activator for titanium, stainless steel and heat resistant alloys.	Alkaline mixture		Pure	70-90°C	Immersion	
<b>SOCOMUL TA</b>		Additive to optimise deoxidation baths.	Surfactant solution		1%	40-60°C	Immersion	AIRBUS HELICOPTERS
<b>SOCOSURF A1806</b>	Deoxidiser	Used in addition to SOCOSURF A1858 during surface treatment operations on aluminium alloys.	Solution based on ferrous sulphate		6 to 15 %	40-60°C	Immersion	AIRBUS, AIRBUS HELICOPTERS, DASSAULT AVIATION, EADS CASA, THALES ALENIA SPACE, TURBOMECA (SAFRAN Group)
<b>SOCOSURF A1858</b>	Deoxidiser	Deoxidation or bleaching of aluminium and titanium alloys following degreasing or alkaline descaling on a surface treatment line.	Concentrated solution of nitric and sulphuric acid		30 to 50 %	40-60°C	Immersion	AIRBUS, AIRBUS HELICOPTERS, DASSAULT AVIATION, EADS CASA, THALES ALENIA SPACE, TURBOMECA (SAFRAN Group)
<b>SOCOSURF A1855</b>	Deoxidiser	Preparation of aluminium prior to painting or bonding and encourages adhesion and anticorrosion properties of paint systems, particularly chromium free systems.	Gel-type water based acidic solution		Pure	Room temperature	Spraying	AMS 3095
<b>SOCOSURF T4402</b>	Phosphate degreaser	Results in amorphous phosphatation on ferrous metals. Metal surfaces thus treated constitute an excellent adhesion base for paint by enhancing adhesion.	Solution based on phosphoric acid and detergent		0.6 to 3 %	60-90°C	Spraying or immersion	

### FOCUS

#### **SOCOSURF A1858 - SOCOSURF A1806.**

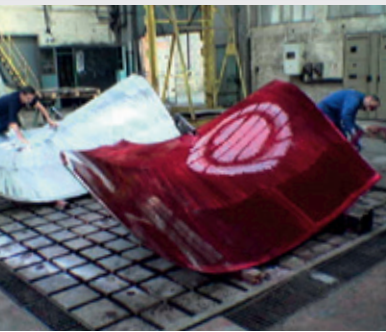
- Chromium free product.
- Fluoride free product.
- Approved by AIRBUS (IPDA 62-03), DASSAULT (DTAS/TME 115557), etc.
- Bath stability / easier management.

\* Refer to the product technical data sheet for the specification and approval references.

## 2

### COMPLEMENTARY ACTIVITIES

- *Non Destructive Testing*
- *Structural adhesives*



#### Non Destructive Testing

BABBCO offers a range of:

- Penetrant testing products
- Magnetic particle testing products
- Lighting and associated measuring equipment
- Testing, calibration and repair services for the products and equipment involved.

These products are designed for verifying the integrity of parts during manufacture and maintenance operations.

The BABBCO, SHERWIN and SKINCRIC brands have been active in the NDT world for over 60 years.

They are present in the aeronautical, energy, rail, automotive and metal industries. These industries have approved the BABBCO, SHERWIN and SKINCRIC solutions in accordance with the acknowledged standards in their fields (AMS2644, IN 15000, PMUC for EDF France, etc.).

The facility, based in Plaisir (78, France), is dedicated to NDT within the SOCOMORE Group. Its team provides clients with complete NDT solutions from the recommendation of an appropriate solution for their needs, to the delivery, maintenance and after-sales service of the 3 BABBCO, SHERWIN and SKINCRIC brands, as well as all the associated equipment and services. The NDT technical teams participate in the international standardisation of NDT techniques.

Major global companies already use BABBCO and SHERWIN solutions: **SAFRAN, AIRBUS GROUP, EDF, AREVA, ALSTOM, ALCOA, AIR FRANCE INDUSTRIES, PRATT & WHITNEY, CEP INDUSTRIE, THE WELDING INSTITUTE, SGS, BOEING, AUBERT & DUVAL, EMBRAER, DASSAULT, MESSIER-BUGATTI-DOWTY, LISI, etc.**

BABBCO supplies the French market.

SHERWIN BABBCO SA supplies markets outside of France using the resources of the Plaisir facility.

For further information

[www.babbco.fr](http://www.babbco.fr) / [www.sherwinbabbco.eu](http://www.sherwinbabbco.eu)



#### Structural adhesives

SOCOMORE manufactures and commercialises (in North America) structural adhesives for aeronautical, nautical and industry use:

- Epoxy resin shim materials
- Rubber magnetic inspection materials for NDT of ferrous parts
- Flexible replication materials for precision duplication and accurate dimensional and surface condition measurements
- Rapid hardening sealing products for the manufacture and repair of aeronautical materials.

Their success started with the licence granted by Lockheed Martin Aeronautics (called General Dynamics Corp. at the time) to manufacture and distribute the MS-26 rubber shims for the F-111, F-16 and F-22 fleets.

For further information

[www.socomore-na.com](http://www.socomore-na.com)

## CLIENT FOCUSED R&D

Our teams monitor the main technological, economic and regulatory trends in our markets and work on the development of new products to meet the future requirements of our global clients: transport - aeronautical, automotive, rail - and energy equipment manufacturers and maintenance companies.

SOCOMORE weaves partnerships within its own environment. Upstream, we participate actively in research projects lead by universities and technical centres in Europe and North America. Downstream, we work with global manufacturers on the development and qualification of products. We have an ambitious **technology road map** to accompany our clients over the long term thanks to various European and French funds supporting research.



SOCOMORE relies on

## 4 PRODUCTION FACILITIES

to supply the needs of our clients.

- In France :  
at Elven ISO 9001, EN 9100 and ISO 14001 certified,  
at Plaisir ISO 9001 and ISO 14001 certified
- In Ireland (Cork) ISO 9001, EN 9100, ISO 14001 certified
- In Texas (Fort Worth) ISO 9001 and AS 9100 certified

Our production facilities are audited and qualified by our clients.

The supply, production and quality control of the various SOCOMORE products are assured in our 4 production facilities in accordance with the specification and process qualified by the R&D Group, guaranteeing complete compliance with client qualifications. The achievement of a high level of manufacturing guarantees a sustainable OTD for our clients.

In developing territories, SOCOMORE also relies on 4 other partner production facilities (CONTEC USA, MAGNUS Canada, HFC China and METAL-CHEK Brazil) to complete our industrial network as close as possible to our clients.

From this industrial network, the SOCOMORE supply chain organises delivery to our clients' locations throughout the world. It relies on direct land, sea and air logistical solutions provided by our logistics partners, selected according to their command of the international IATA, IMDG, ADR and local standards.

Mixing tank in Elven



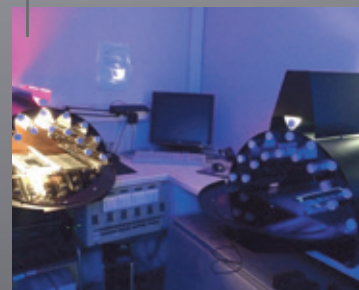
Wipe cutting machine



Storage area in Elven



Laboratory in Plaisir



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