

TECHNOtalk

Vol. IV Presaturated Wipes

2003

JNJ INDUSTRIES

SuperSaturated SmartWipes®...more choices to help maximize performance



JNJ's SuperSaturated SmartWipes offer cleaning solutions where and when you need them. You will always have the right wipe, with the right chemistry at your fingertips. Our SuperSaturated SmartWipes feature a durable, solvent retentive material substrate that cleans effectively without

leaving excess solvent behind. Each wipe is presaturated with the proper amount of GlobalTech® CFC & HCFC Free solvent and is packaged in a recyclable, reusable canister. The strong, super absorbent wipes are 100% cleanroom grade polyester, low in lint, and resist tearing and shredding. SuperSaturated SmartWipes trap dirt, grease, solder paste, flux residue, epoxy, ink, and other contaminate particles.

Foil Refill Packs

Our complete line of SuperSaturated SmartWipes are available in space and money saving, waste reducing Foil Refill Packs (FRPs). JNJ first introduced the pop-up wipe canister to the SMT industry and we continue our innovation with our vacuum sealed Foil Refill Packs. The vacuum seal insures a longer shelf life that is guaranteed not to dry out and is free of contamination. After using the last wipe, simply remove the lid, open your FRP, and drop in a fresh refill of presaturated wipes into the canister. These FRPs come presaturated with 100 - 6" x 9" wipes, made with cleanroom grade polyester from DuPont Sontara®.



Can be Grounded for use in ESD Sensitive Areas

SmartHolder Canister Holder

The SmartHolder from JNJ is an anodized aluminum holder that can be wall or bench mounted. The SmartHolder can be grounded with a grounding strap, making the entire unit antistatic. This low cost holder will also help prevent canisters from being lost or misplaced. Whether wall or bench mounted, SuperSaturated SmartWipes in a SmartHolder are ideal for all work areas.



Which SuperSaturated SmartWipe is right for my application?

JNJ has simplified your choices by giving all our GlobalTech products application specific names. Whatever your requirements, JNJ has the right wipe for your application. JNJ's CFC & HCFC Free presaturated wipes can effectively reduce benchtop cleaning costs, boost productivity, lower VOC emissions, reduce solvent usage and is ideal for all work areas.

Quick Reference Solvent Selection Guide

Product Name	Drying Time	Odor	Cleaning Power	Defluxing			Degreasing	Adhesives	Epoxies	Light Oils	Inks
				No clean	RMA	OA					
SMT Stencil Cleaner	Medium	None	Regular	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Solder Paste & Flux Remover	Medium	Moderate	Aggressive	Yes	Yes	Yes	Yes	No	No	Yes	Yes
Semi Aqueous Paste & Flux Remover	Medium	Mild	Regular	No	Yes	Yes	Yes	No	No	Yes	No
Isopropyl Alcohol & DI Water	Fast	Mild	Moderate	No	Yes	Yes	Yes	No	No	Yes	No
Isopropyl Alcohol 99%	Very Fast	Mild	Moderate	No	Yes	Yes	Yes	No	No	Yes	No
Ink & Screen Cleaner	Medium	Moderate	Regular	No	Yes	Yes	Yes	No	No	Yes	Yes
Epoxy & Adhesive Remover	Fast	Strong	Aggressive	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Global Clean	Fast	Moderate	Aggressive	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes

Application Specific Choices

SMT STENCIL CLEANER

- Metal and plastic stencils
- Electronic screen/stencil printers
- Batch ultrasonic cleaning machines
- Automatic stencil wiper assemblies - liquid form (approved by DEK)
- Excellent overall cleaner and degreaser
- Dries to zero residue - Odor Free
- Removes RMA, RA, no clean solder pastes and fluxes, UV curable inks and adhesives



SMT

SEMI AQUEOUS PASTE & FLUX REMOVER

- Screens and stencils
- Good for stencil cleaning machines
- General degreasing
- Misprinted circuit boards
- Water soluble - no rinsing required
- Removes organic contaminants such as soldering oils, waxes, silicones, uncured adhesives and other difficult soils
- Safe cleaner for water soluble and rosin based fluxes



AFR

SOLDER PASTE & FLUX REMOVER

- Superior defluxing properties
- Exceptional for automatic cleaning systems and batch cleaners
- Removal of R, RA, RMA, No Clean, Water Soluble, OA Solder Pastes & Fluxes from:
 - Screens, stencils and PC boards
 - Squeegee assemblies and tools
 - Production equipment (Stencil Printers)
 - Relays, contacts and other electronic assemblies
- General degreaser for soldering oils, waxes, silicones, uncured adhesives and other difficult soils
- Dries to zero residue



PFR

INK & SCREEN CLEANER

- Commercial screen printing inks
- Cleans pastes, silicones and most contamination associated with fluxes
- Water soluble - dries to zero residue
- Cleans screens and stencils
- Good for cleaning tools and machinery
- Excellent general degreaser
- Will not damage emulsions
- Remove conductive, resistive and dielectric thick film inks



IKS

ISOPROPYL ALCOHOL & DI WATER

- Universal cleaner and disinfectant
- Light oils
- Most types of inks
- Most pastes and fluxes
- Most printing and industrial cleaning
- Safe for all plastic



IPA/DI

GLOBAL CLEAN

- Bellcore tested and approved
- General purpose cleaner
- Removes paste and adhesive
- Fast evaporator - less than 1 minute on ss
- Light grease and oils
- Safe on all metals
- Dries to zero residue
- UV curable inks and epoxies, inks used in lithography



GPF

ISOPROPYL ALCOHOL 99%

- Universal cleaner and disinfectant
- Light oils
- Most types of inks
- Most pastes and fluxes
- Most printing and industrial cleaning
- Safe for all plastic
- Very fast evaporator



IPA

EPOXY & ADHESIVE CLEANER

- Conductive epoxies
- 2 part epoxies
- Labels, tape and label adhesives
- Most varieties of glue or adhesive residues
- Cleans screens and stencils
- Strong aggressive cleaner
- Excellent penetration -gets under wet and cured epoxies
- Screen printable epoxies used in electronics maintenance



EAD

Whatever your cleaning requirements, choose the smart solution, choose SuperSaturated SmartWipes from JNJ!!!

Features

- CFC & HCFC Free Chemistry
- EPA S.N.A.P. Approved
- Non-Hazardous
- Fast Evaporation
- Low Toxicity & Odor
- Penetrates Quickly to Safely Remove Contaminants
- Wipes are Soft, Durable & Tear Resistant
- Available in 2 Convenient Size Canisters - 100 & 50 count
- Eliminates Splash Pan & Drum Storage
- Reduce Solvent Usage
- Reclosable Dispenser

Benefits

- Ideal For All Work Areas:
 - Benchtop, Assembly, Inspection, Testing, Packaging & Field Services
- Reduces Benchtop Cleaning Costs
- Boosts Productivity
- Protects the Environment
- Spill & Splash Proof
- Application Specific Choices
- Does Not Require The Operator To Leave The Work Area
- Cleanroom Grade Material
- Lower VOC Emissions

Material Compatibility Chart

Material	SMT	PFR	AFR	IPA IPA/DI	IKS	EAD	GPF
SS Screen Mesh	✓	✓	✓	✓	✓	✓	✓
Polyacetal	✓	✓	✓	✓	✓	✓	✓
Polycarbonate	✓	▲	▲	✓	▲	▲	▲
Polyamid	✓	▲	▲	✓	●	●	▲
Laminate F-4	✓	✓	✓	✓	✓	✓	✓
Laminate G-10	✓	✓	✓	✓	✓	✓	✓
CEM 1 and CEM 3	✓	✓	✓	✓	✓	✓	✓
Epoxy (Cured)	▲	▲	▲	✓	▲	●	▲
Styrene	▲			✓			
ABS	✓			✓			
PVCs (vinyls)	✓			✓			●
Natural Rubber	▲	●	●	✓	●	●	▲
HDPE	✓	✓	✓	✓	✓	✓	✓
Polyurethane	✓	▲	▲	✓	▲	●	▲
Polypropylene	✓	✓	✓	✓	✓	✓	✓
Teflon (PTFE)	✓	✓	✓	✓	✓	✓	✓
Katrez	✓			✓		✓	✓
EPDM	▲	▲	▲	✓	▲		●
Viton (Silicone)	▲			✓			
Acrylics	▲			✓			

✓-Not Affected ▲-Possible Affects ●-Likely to Affect Blank-Not Recommended



How do I dispose of Super-Saturated SmartWipes?

For disposal methods, consult a licensed waste management firm or the appropriate local, state and federal agencies in your area. JNJ provides Foil Refill Packs (FRPs) for our SuperSaturated SmartWipe canisters to help reduce environmental waste.

Insist on Quality...Ask for JNJ's SuperSaturated SmartWipes by Name

Benchtop Electronic Hand Cleaner

The Benchtop Electronic Hand Cleaner is a high performance, general purpose cleaner in a presaturated wipe dispenser. Laboratory Certified to be effective in the removal of toxic metals from all surfaces, including the skin. Used at the workstation or any location where operators/technician's surfaces, fixtures and tools within ANSI/J-STD-001 Industrial and MIL-STD-levels of cleanliness in the manufacture of elec-



BEHC

tronic assemblies, circuits and components. Cleans hands, out requiring the operator to leave the workstation or any location where hands become soiled. Cleans hands, out requiring the operator to leave the workstation or any location where hands become soiled. Cleans hands, out requiring the operator to leave the workstation or any location where hands become soiled. Results show Benchtop Electronic Hand Cleaner to be well 2000 Military Standards adopted to maintain acceptable electronic assemblies, circuits and components.

Toxic Metal Reduction - Due to an unique solvent and surfactant blend, coupled with a powerful chelant, the Benchtop Electronic Hand Cleaner is effective in the removal of lead and other toxic metals from all surfaces including the skin. Designed for operators/technicians who routinely handle solder printed circuit boards and assemblies, solder reflow, wave soldering, solder paste screening, tin/lead and hot air soldered leveling processes.



Workstation Hand Cleaner is available in Tropical & Citrus Scent

Product Highlights

- High Performance General Purpose Cleaner
- Removes Oil & Grease
- Lab Certified to be Effective in Removing Toxic Metals from the Skin
- Penetrates Quickly to Safely Remove Contamination Residue Free (Amine, Salt & Silicone Free)
- Within the ANSI/J-STD-001 Industrial and MIL-STD-2000 Military Standards
- Enhances Production Time
- Fast Drying
- Cleans: Hands, Work Surfaces, Fixtures & Tools
- Pleasant Odor
- Helps Prevent Ingestion of Hazardous Substances

BIOACT SC-10 Electronics Cleaner

BIOACT SC-10 Electronics Cleaner is a blend of highly-refined aliphatic hydrocarbons, orange terpenes, and linear alcohols formulated to offer superior performance in stencil/misprint cleaning and defluxing applications. It is an ideal replacement for isopropanol (IPA) in hand wipe cleaning applications where performance, safety, and/or VOC emissions need to be improved. SC-10 Electronics Cleaner was developed for removing all types of uncured SMD adhesives and unreflowed solder paste from stencils and misprinted assemblies. It is also effective in removing many rosin, water-soluble, and no-clean solder paste and flux residues as well as acrylic and silicone conformal coatings, and tape residue.



AquaSonic® SuperSaturated Wipes

The perfect choice for hand wiping, our AquaSonic Aqueous Cleaner for Surface Mount Applications is a unique blend of select detergents and solvents formulated to offer safe, non-flammable cleaning. Used in dilution, SMA effectively cleans uncured surface mount device (SMD) epoxies/adhesives and solder pastes from stencils and misprinted assemblies. It is an ideal cleaning agent for electronics manufacturers who want (1) to clean both SMD epoxies/adhesives and solder pastes in one cleaning process, (2) to reduce or eliminate VOC emissions, (3) to reduce odor in the workplace, (4) to reduce or eliminate flammable or combustible solvents, and (5) to improve operator safety.



...even more choices to help maximize performance



To meet all your cleaning requirements, every GlobalTech® product is available in application specific formulations and blends. Our chemistries are packaged in nearly every size and type of container, dispenser or delivery system, including our SuperSaturated Wipes, FRPs, one gallon containers, five and fifty-five gallon drums, sprays, and case quantities.



Ordering Information	
Part Number	Product Description
DR55*	Drum - 55 Gallon
DR05*	Drum - 5 Gallon**
GA6*	1 Gallon Container
SB6*	1 Pint Spray Bottle
FR100*-6	Foil Refill Pack - 6 pk
FR100*-12	Foil Refill Pack - 12 pk
SW50*	SuperSat Wipes - 50 ct
SW100*	SuperSat Wipes - 100 ct

*Insert Product Code - ie. SW100SMT (SuperSat Wipes-100 ct with SMT Stencil Cleaner)

**Available only for Aquasonic Chemistries



In addition to our GlobalTech products, JNJ manufactures high quality electronic screen and stencil printing accessories and cleaning products, SMT production supplies for all OEM stencil printing machines, ultrasonic cleaning machines, and flexible custom tooling products. We design and manufacture precision machined squeegee blades and holders for most OEM printers. We are recognized experts in understencil wiping rolls - our OEM and custom understencil rolls fit every printer worldwide. Our ultrasonic stencil cleaning machines range from benchtop units to automated systems, and are compatible with our AquaSonic Aqueous Chemistries. JNJ's line of Universal Tooling Plate Assemblies provide 5-minute set up and changeover for Speedline/MPM stencil printers.

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The Industry Standard in Quality and Performance

JNJ's commitment is not only to provide the highest quality products possible, but to make them available to you for fast delivery through a network of local, national and international distributors.

**SMT PRODUCTION SUPPLIES & EQUIPMENT
CUSTOM & PRODUCTION MACHINING**