

SOLVENT MATTERS

THE NEWSLETTER FROM SIS CHEMICALS, THE SAFER SOLUTION TO SOLVENTS.



VERTREL® CLEANS UP!

NEW ECO-FRIENDLY SOLVENT IS MAJOR SUCCESS

Vertrel® is becoming the solvent of choice for a growing number of cleaning applications.

The environmentally friendly, high performance Vertrel® range is manufactured by world leading producer Du Pont™ and supplied in the UK by SIS Chemicals.

Vertrel® solvents are used for deposition, heat transfer, electronics and defluxing applications. They are particularly effective for high quality, deep cleaning of hollow and complex shaped parts.

The Vertrel® range includes non ozone depleters (Vertrel® SDG / SFR*). All Vertrel® solvents are safe to use (non flammable) and compatible with many machines including ultrasonic baths. They are widely used in aerospace, electronics, engineering, medical, military and optical markets.

“Vertrel® is a growing success story”

Offering high and consistent performance, Vertrel® solvents are often considered as an ideal replacement for CFC's, HCFC's, PFC's, 1-1-1 Trichloroethylene, nPB-based solvents, Perchloroethylene, Trichloroethylene as well as aqueous, alcohol or hydrocarbon based solutions.*

Mark Lavis, Managing Director of SIS Chemicals, said: “Vertrel® is a growing success story. It is proving to be the solvent of choice for an ever increasing number of applications due to its superb performance, compatibility and environmental credentials.”

*See page 2 for the environmental properties of Vertrel® SDG / SFR

VERTREL® APPROVALS

- Air Liquide, Cedex, France
- John. F. Kennedy Space Centre
- Boeing North American Inc
- SMI Inc. USA
- Rolls Royce

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WELCOME TO THE SECOND ISSUE OF SOLVENT MATTERS, THE NEWSLETTER TO HELP YOU MAKE INFORMED CHOICES ABOUT YOUR INDUSTRIAL CLEANING PROCESSES.

OUR OBJECTIVE IS SIMPLE: TO KEEP YOU UP TO DATE WITH THE LATEST LEGISLATION, SOLVENTS, EQUIPMENT AND COMPANY DEVELOPMENTS SO YOU CAN MAKE INFORMED CHOICES ABOUT YOUR INDUSTRIAL CLEANING PROCESSES.

Legislation and solvent availability continues to dominate the market. Trichloroethylene users need to be aware of the industry voluntary agreement which prohibits responsible manufacturers from supplying Trichloroethylene after 2010 unless it is used in an enclosed machine, preferably supplied with a closed loop safe handling system.

Meanwhile, Perchloroethylene is in extremely short supply due to plant closures and the redirection of production.

So what does this mean for the user? The priority is the use of safe handling systems and alternative solvents. One of the best options available is the SAFE-TAINER™ system used with DOWPER MC™. The impressive new Vertrel® solvents, particularly Vertrel® SDG, offer excellent cleaning results while solvent wipes such as SKYSOLV are becoming increasingly popular as a simple to use, cost effective alternative.

SIS Chemicals will help you make the right decision. Please do contact us if you would like more information or advice.



Mark Lavis, Managing Director, SIS Chemicals

WIPES WIN NEW FANS!



Demand for impregnated wipes is already high in the aerospace market. Now wipes are set to take off in the general engineering market.

Impregnated wipes enable cleaning in situ, providing a cost effective alternative. They are particularly useful for small industrial cleaning operations seeking to switch away from Trichloroethylene without having to make significant investment in new machines and systems.

To give customers more choice, SIS Chemicals has recently introduced SKYSOLV, an impregnated solvent wipe using PURASOLV® EL (Ethyl lactate).

PURASOLV® has Airbus, Aerospace and Rolls Royce approval. Apart from its obvious success with Airbus contracts, PURASOLV® offers an excellent wipe cleaner in the general engineering market.

FIND OUT MORE

For more information contact SIS Chemicals on 01425 621021 or email sales@sischem.co.uk

VERTREL® SDG PROPERTIES



Vertrel® SDG (or SFR) provides a highly effective alternative to HCFC's, HFE's, npb or chlorinated solvents. The following table shows the properties of Vertrel® SDG alongside Methylene Chloride, TCE and HFE 72DE.

PROPERTY	VERTREL® SDG	METHYLENE CHLORIDE	TCE	HFE 72DE
Boiling point °c	43	39.8	87	43
Specific gravity	1.29	1.32	1.45	1.28
KB value	95	136	129	52
Surf. Ten (dyn/cm)	19.9	27.2	28.7	19
ODP	0	0	0	0
Exp. Limits (ppm)	200	100	100	160
Risk phrase	R20	R40	R40	R20
Haz				
Decomposition	No	Yes	Yes	Yes

PURASOLV® LEADS GREEN REVOLUTION



SALES OF PURASOLV® CONTINUE TO GROW AS SOLVENT USERS SWITCH TO GREENER ALTERNATIVES

Vertrel® isn't the only environmentally-friendly solvent taking off. The PURASOLV® range of solvents derived from sugar beet is becoming increasingly popular.

PURASOLV® is now widely used in the following markets:

- Solvent degreasing
- Solvent wipe cleaning
- Cleaning of Polyurethane injection heads
- Cleaning in the printing ink market

The PURASOLV® range of solvents is manufactured by Purac Biochem UK Ltd and supplied exclusively to the solvent market in the UK by SIS Chemicals. The range includes PURASOLV EHL®, arguably **the most environmentally friendly and most effective alternative to Trichloroethylene on the market.**

EHL is exempt from the SER (Solvent Emissions Regulations) and has Rolls Royce approval. When used as an immersion cleaner, EHL has superb cleaning characteristics followed by PURASOLV EL® as rinse solvent.

PURASOLV EHL® is unique in that it's made from sugar beet, a renewable resource, and is a NON-VOC. It is biodegradable and has excellent solvency power. It has an optimum toxicological profile, a high soil loading capacity and excellent substrate compatibility.

Wayne Cegielski said: "You can't really fault PURASOLV EHL®. More and more customers are converting to it and finding its performance compares very favourably to Trichloroethylene."

LATEST NEWS ON TRICHLOROETHYLENE

The latest market information is that the European Chemicals Agency (ECHA) invited comments by 22 April 2010 on eight chemicals including Trichloroethylene as 'Substances of Very High Concern' (SVHC) which may require special authorisation for their use.

The ECHA move comes on top of the Industry Voluntary agreement not to supply Trichloroethylene for use in open top degreasers after the end of 2010. It places more pressure on Trichloroethylene users to find alternative solvents and/or to use safe handling equipment.

FIND OUT MORE

If in doubt, contact SIS Chemicals on 01425 621021 or email sales@sischem.co.uk to discuss a recommended alternative.

SIZE COUNTS

The new 'mini' SAFE-TAINER™ closed loop system supplied by SIS Chemicals has attracted significant interest since it was launched last year.

The mini SAFE-TAINER™ complements the popular 200 litre standard drum size. It is used for the safe and sustainable use of chlorinated solvents, including Trichloroethylene. The system represents the Best Available Technology [BAT] when used with VOC-compliant degreasing or cleaning equipment including DOWPER MC™ stabilised Perchloroethylene.

The standard and mini SAFE-TAINER™ work in the same way. The system consists of two specially designed containers – one for fresh solvent and one for used solvent. Each container is delivered with a standard drum inside. The steel container protects the drum, preventing damage or spills. A special base construction allows easy transport with a forklift truck or pallet lifter. Both containers can be locked.

Vertrel® is a registered trade mark of DuPont™. PURASOLV® is a registered trade mark of Purac Biochem UK Ltd. SAFE-TAINER™ is a registered trade mark of SAFECHEM Europe GmbH.

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INTRODUCING...CLARE ROGERS

In each issue, we shine the spotlight on an SIS employee or customer. This month it's Clare Rogers, Internal Sales Manager at SIS Chemicals' headquarters in New Milton, Hampshire.



WHEN DID YOU JOIN SIS? April 2001

WHAT ARE YOUR CORE RESPONSIBILITIES? Inside sales, administration, computer and telephone systems.

WHY DO YOU LIKE WORKING FOR SIS? The variety of work; the knowledge, expertise, commitment and loyalty of staff; the flexibility of the managers and the family environment.

WHAT HAS BEEN THE BIGGEST HIGH IN YOUR CAREER?

Leaving the Civil Service to join SIS Chemicals' and having to learn about all the different chemicals – a tall feat!

HOW OLD ARE YOU? 45

WHAT IS THE NEXT BIG THING FOR SIS? Meeting the challenges posed by increasing legislation and a shrinking manufacturing base.

WHERE DID YOU GROW UP? I was born in Leatherhead, Surrey, and moved to Hastings when I was 12.

WHAT WAS YOUR FIRST JOB? Working for the Department of Environment.

FAVOURITE HOLIDAY DESTINATION? Exploring the canals of England by narrowboat.

INTERESTS OUTSIDE WORK? I love being outside, walking my dog 'Millie' along the beach or in the forest, gardening and of course the canals.

WHAT'S YOUR MOST TREASURED MOMENT? Moving from Hastings to the New Forest, the best move I have ever made.

IF YOU WOULD LIKE TO FEATURE 'IN THE HOT SEAT' EMAIL SALES@SISCHEM.CO.UK WITH YOUR DETAILS.

FACT FILE

SIS CHEMICALS IS A PRIVATELY OWNED, NATIONAL SUPPLIER. SIS PROVIDES:

- The highest grade chlorinated, fluorinated and non-chlorinated solvents from the world's leading manufacturers.
- State of the art, closed loop solvent delivery systems to eliminate emissions and protect operators.
- Custom-fit solvent solutions for maximum cleaning performance without compromising safety and the environment.

SIS CHEMICALS CUSTOMERS:

- Airbus
- British Aerospace
- GKN Helicopters
- Lucas Industries
- Rolls Royce

SIS CHEMICALS MARKETS:

- Aerospace
- Automotive
- Defence
- Electronics
- General Engineering
- Marine
- Medical
- Nuclear

FIND OUT MORE

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