



SOLVAG™ SA-24

Technical Data Sheet

SOLVAG SA-24 is a high performance solvating agent designed to operate in co-solvent and bi-solvent vapor degreasing applications. Used in combination with Petroferm's LENIUM® FRA rinsing agent, this two component process effectively removes rosin, no-clean and water-soluble flux residues as well as baked-on flux residues

SOLVAG SA-24 is selected for its low-volatility, compatibility with electronics substrates and ability to remove difficult flux residues.

SOLVAG SA-24 is mixed with LENIUM FRA in Petroferm's patented co-solvent vapor degreasing process. Suitable for use in dual sump vapor degreasers, this highly versatile process provides adjustability of both temperature and solvency in a single system. Furthermore, it is an economically feasible alternative to many fluorinated mono-solvents, such as hydrochlorofluorocarbons (HCFCs), hydrofluoroethers (HFEs) and hydrofluorocarbons (HFCs).

SOLVAG SA-24 and LENIUM FRA are used in separate tanks for bi-solvent vapor degreasing. In this two system process, SOLVAG SA-24 may be heated to temperatures greater than in co-solvent vapor degreasing, For bi-solvent applications requiring a lower odor solvating agent, Petroferm recommends SOLVAG SA-70.

SOLVAG SA-24 is supported by a global network of technical representatives, capable of solving the industries most difficult cleaning applications.



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FEATURES & BENEFITS

- Solvating Agent
- Plastic Compatibility
- Temperature Flexibility
- Adjustable Solvency
- Co-Solvent Patents
- High Boiling Point, Low Volatility
- Economical Alternative to Mono-Solvents
- Removes Flux Residues
- Removes Ionic Contamination
- SNAP Approved Components

CO-SOLVENT BOILING POINTS

SOLVAG SA-70 (mixed with LENIUM FRA)		SOLVAG SA-24 (mixed with LENIUM FRA)	
Percent (Wt.)	Boiling Point °F (°C)	Percent (Wt.)	Boiling Point °F (°C)
0	108 (42)	0	108 (42)
25	117 (47)	25	116 (47)
50	134 (57)	50	129 (54)
75	163 (73)	75	154 (68)

See Co-Solvent Vapor Degreasing Operating Manual for more details.

PROCESS

For co-solvent vapor degreasing, mix solvating and rinsing agent, adjusting the settings based on the mixtures boiling point.

Controller Settings

Liquid Temperature Controller/Sensor (LTC).....	+10°F (+6°C)
High Temperature Controller (HTC).....	+15°F (+9°C)
Safety Vapor Controller (SVC).....	-10°F (-6°C)
Vapor Up Temperature (VU).....	-10°F (-6°C)
Primary Refrigeration Temperature.....	35-40°F (2-5°C)

PROPERTIES

Appearance.....	Clear liquid
Odor.....	Distinct
Flash Point.....	214°F (101°C)
Boiling Point.....	>350°F (>177°C)
Specific Gravity (25°C).....	0.88
Vapor Pressure (20°C).....	< 1.0 mm Hg

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SOILS REMOVED

- Rosin Flux Residues
- No-Clean Flux Residues
- Water-Soluble Flux Residues
- Baked-On Flux Residues
- Ionic Contamination
- Fingerprints
- Particulates
- Oils, Greases

PATENTS

Co-Solvent Process

Patent 5,716,457 - Cleaning with solvating and rinsing agents

Co-Solvent Fluids

Patent 6,187,729 - Cleaning composition comprising solvating agent and rinsing agent

SHELF LIFE

The shelf life for this product is thirty-six (36) months when it is stored in its original, sealed container at room temperature.

However, the product should be inspected after thirty-six (36) months from the date of manufacture prior to customer use.

Typical property data is not intended for specification purposes. Petroferm, its sales agents and distributors make no warranty of merchantability of the product or of product fitness for any particular purpose. This product and all information supplied are used at the purchaser's own risk. The purchaser assumes all risk of use or handling of the product, whether in accordance with directions or not.

ENVIRONMENTAL/REGULATORY

Ozone Depletion Potential (ODP).....Zero
Global Warming Potential (GWP).....Low
Significant New Alternatives Program (SNAP).....*Approved
Hazardous Air Pollutant (HAP).....No
National Emission Standards for
Hazardous Air Pollutants (NESHAPs).....Not regulated
Superfund Amendments
and Reauthorization Act (SARA).....Not regulated
Resource Conservation and
Recovery Act (RCRA).....Not regulated

**SOLVAG SA-24 components*

DISPOSAL/SAFETY

Disposal: Petroferm recommends contacting your current or local environmental service company for disposal of this product.

Safety: Please see Material Safety Data Sheet for further information.

Storage: SOLVAG SA-24 should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

Packaging: SOLVAG SA-24 is available in 36 lb (16 kg) pails and 400 lb (181 kg) drums.



Advanced Products for Advanced Cleaning

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