



# SOLVAG<sup>®</sup> SA-70

## Technical Data Sheet

SOLVAG SA-70 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<sup>®</sup> FRA rinsing agent, this two component process effectively removes oils, greases, fluxes and various waxes.

SOLVAG SA-70 is selected for its low-volatility, compatibility with metallic alloys and polymers and ability to remove a broad range of soils. For applications requiring a more aggressive solvating agent, Petroferm recommends SOLVAG SA-24.

SOLVAG SA-70 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-70 and LENIUM FRA are used in separate tanks for bi-solvent vapor degreasing. In this two system process, SOLVAG SA-70 may be heated to temperatures greater than in co-solvent vapor degreasing.

SOLVAG SA-70 is supported by a global network of technical representatives, capable of solving the industries most difficult cleaning applications.

LENIUM is a registered trademark of Petroferm Inc.  
SOLVAG is a trademark of Petroferm Inc.

### 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  |                       | SOLVAG SA-24  |                       |
|---------------|-----------------------|---------------|-----------------------|
| 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 points.

#### 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                    | Very low        |
| Flash Point             | 223°F (106°C)   |
| Boiling Point           | >350°F (>177°C) |
| Specific Gravity (25°C) | 0.88            |
| Vapor Pressure (20°C)   | < 1.0 mm Hg     |

# SOLVAG SA-70

## SOILS REMOVED

- Fluxes
- Greases, Lubricants
- Mineral Oils
- Particulates
- Water-Soluble Oils
- Waxes

## 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, conditions of use being beyond Petroferm's knowledge or control. 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-70 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-70 should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

**Packaging:** SOLVAG SA-70 is available in 36 lb (16 kg) pails and 400 lb (181 kg) drums.



## Petroferm

*Advanced Products for Advanced Cleaning*

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