

ULTRA-SOLV CONCENTRATED CLEANER AND SYSTEM FLUSH

Applications:

Ultra-Solv is a premium quality solvent-type fluid designed to dissolve varnish and solubilize sludge as an additive at 5% to 10% concentration in oil for cleaning many types of industrial systems such as Bowser Sumps in Paper Mills during operation. **(Not for use in Ammonia Compressors or with Polyalkylene glycol or silicone fluids.)**

It can also be used to help flush a system when changing-over from mineral to synthetic oils in order to reduce contamination due to oil carry-over. Regular use of Ultra-Solv will help you get the most out of your synthetic oil and your equipment by removing varnish and reducing operating temperature.

Typical Industrial Applications:

- Rotary Screw Compressors
- Rotary Vane Compressors
- Centrifugal Compressors
- Reciprocating Compressors
- Hydraulic Systems
- Gearboxes
- Vacuum Pumps
- Chains
- Bearings
- Reservoirs
- Airline Valves
- Heat Transfer Systems

Performance Benefits:

- Economical to use—only a 5% concentration required for most applications
- Solubilizes and removes harmful varnish and “sludge”
- Compatible with mineral oils and synthetic hydrocarbons
- Safe to use as directed--does not contain carcinogens or other hazardous materials found in some competitors products
- Very mild odor
- High flash point

Cleaning Procedure:

We recommend the use of 5% to 10%, generally 5%, of the UltraSolv with 90% to 95% of the fluid in the system. Ultra-Solv can be used with petroleum and synthetic hydrocarbon (PAO) oils. Temperature/time concentration relationships for industrial equipment: (Oil should be circulating.)

	5% Concentration	10% Concentration
Temperature Time	Room Temperature 3 – 4 Days	Room Temperature 1 – 2 Days
Temperature - Ideal Time	160° F 1 – 2 Days	160° F 24 Hours
Temperature - Maximum Time	300° F 4 Hours	300° F 2 Hours

03/10

HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com

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Run equipment at normal operating conditions. Do not exceed 300° F.
 Change the oil filter before and after cleaning. Inspect during cleaning if equipment is very dirty. Some filters are equipped with pressure drop gauges. Normally, 10-psi drop indicates filter should be changed.
 For safety reasons allow oil to cool (130° F max.) before draining. After draining, it is recommended that the oil system be flushed with clean oil. To flush, fill to minimum or normal oil level. Start equipment to circulate or splash oil around system. In gearboxes or other applications where heavy oil is normally used, stop equipment almost immediately after starting to prevent wear.

Product Compatibility:

Ultra-Solv is safe for use on ferrous and nonferrous metals used in industrial equipment. It is safe on most seals used in industrial equipment at 10% maximum concentrations.

This product is NOT compatible with Polyalkylene glycol (PAG) fluids.

TYPICAL PROPERTIES	TEST METHOD	Ultra-Solv
ISO Grade	ASTM D2422	46
SAE Grade	SAE J-300	20
Viscosity @ 40°C,cSt	ASTM D445	37
Viscosity @ 100°C,cSt	ASTM D445	5.6
Viscosity Index	ASTM D2270	88
Flash Point, °C/°F	ASTM D92	149/300
Lbs./Gallon	---	7.66
Odor	---	Mild
Specific Gravity	ASTM D1298	0.92

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