

CIRCLE SYSTEMS, INC.

479 West Lincoln
P.O. Box 1228
Hinckley, IL 60520
Ph.: 815-286-3271
Fax: 815-286-3352
customerservice@circlesafe.com



TECHNICAL BULLETIN #243

Conversion to a Mi-Glow® Water Bath From A Water Bath System

Cleaning Instructions Prior To Initial Charge

Before charging a system for the first time using Mi-Glow® water-based particles and wetting agents, it is important that the system be thoroughly cleaned and flushed. The Mi-Glow® wetting agents may not be compatible with those previously used, and are apt to loosen un-dissolved wetting agent and other dirt left in the system, thereby interfering with the indications and causing excessive foaming. It is therefore essential that the system be as clean as possible.

The following procedure is recommended for cleaning out the tank prior to recharging.

1. Drain the tank system completely.
2. Fill the tank up with water to the normal operating level. Add 1 gallon of Cleaner 500 per 25 gallons of water. Turn on the recirculating pump and any other agitation which is present. Run the solution through the discharge hoses. Scrubbing of certain areas may be required. The length of time for this operation will depend upon individual situations but 15 minutes is generally sufficient.
3. Drain the system.
4. Repeat Step 2. This will remove any foreign material left in the system.
5. Drain the system again.
6. Rinse the tank with clear water by repeating the operation described in Step 2 but eliminate the addition of the Cleaner 500.
7. Drain the system.
8. Repeat the clear water rinse.
9. Drain the system.
10. Fill the tank with water and charge the system.

IMPORTANT! The cleaning process above should be effective for removing gross contaminants and most residual foreign materials in the system. The water-bath chemistry in Circle Systems' products continues to remove remaining residual materials as it is used. It is typical that the first bath of Circle Systems' products will show the effects of contamination (including excessive foaming, reduced brightness, and/or sensitivity of particle indications). The second and succeeding baths should not show these signs unless the bath is subject to continued contamination.

DISCLAIMER: OUR TECHNICAL ADVICE, INFORMATION AND STATEMENTS GIVEN VERBALLY, IN WRITING OR IN THE FORM OF TEST RESULTS, ARE OFFERED FOR YOUR GUIDANCE WITHOUT WARRANTY. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. IT IS THE USER'S RESPONSIBILITY TO TEST THE SUITABILITY OF EACH PRODUCT FOR HIS INTENDED PROCESS AND APPLICATIONS. OUR GUARANTEE IS LIMITED TO THE CONSISTENT QUALITY OF OUR PRODUCTS.

CIRCLE SYSTEMS, INC.

479 West Lincoln
P.O. Box 1228
Hinckley, IL 60520
Ph.: 815-286-3271
Fax: 815-286-3352
customerservice@circlesafe.com



TECHNICAL BULLETIN #244

Conversion to a Mi-Glow Water Bath From An Oil Bath System

Cleaning Instructions Prior To Initial Charge

In the process of changing over equipment from an oil system to a water system, it is important that the tank, hoses and pump be thoroughly cleaned. This will permit optimal operating conditions for the water based Mi-Glow® products. The presence of an oil film in the water bath can cause dulling of the indications as well as interference with the proper functioning of the wetting agents. It is therefore essential that the system be as clean as possible.

The following procedure is recommended for cleaning out the tank prior to recharging.

1. Drain the tank system completely.
2. Fill the tank up with water to the normal operating level. Add 1 gallon of Cleaner 500 per 25 gallons of water. Turn on the recirculating pump and any other agitation which is present. Run the solution through the discharge hoses. Scrubbing of certain areas may be required. The length of time for this operation will depend upon individual situations but 15 minutes is generally sufficient.
3. Drain the system.
4. Repeat Step 2. This will remove foreign material left in the system.
5. Drain the system again.
6. Rinse the tank with clear water by repeating the operation described in Step 2 but eliminate the addition of the Cleaner 500. **NOTE:** If any oil is still present in the system, it will float on the water surface. This indicates a need to repeat the clean-out procedure before proceeding to the next step.
7. Drain the system.
8. Repeat the clear water rinse.
9. Drain the system.
10. Fill the tank with water and charge the system.

IMPORTANT! The cleaning process above should be effective for removing gross contaminants and most residual foreign materials in the system. The water-bath chemistry in Circle Systems' products continues to remove remaining residual materials as it is used. It is typical that the first bath of Circle Systems' products will show the effects of contamination (including excessive foaming, reduced brightness, and/or sensitivity of particle indications). The second and succeeding baths should not show these signs unless the bath is subject to continued contamination.

DISCLAIMER: OUR TECHNICAL ADVICE, INFORMATION AND STATEMENTS GIVEN VERBALLY, IN WRITING OR IN THE FORM OF TEST RESULTS, ARE OFFERED FOR YOUR GUIDANCE WITHOUT WARRANTY. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. IT IS THE USER'S RESPONSIBILITY TO TEST THE SUITABILITY OF EACH PRODUCT FOR HIS INTENDED PROCESS AND APPLICATIONS. OUR GUARANTEE IS LIMITED TO THE CONSISTENT QUALITY OF OUR PRODUCTS.

CIRCLE SYSTEMS, INC.

479 West Lincoln
P.O. Box 1228
Hinckley, IL 60520
Ph.: 815-286-3271
Fax: 815-286-3352
customerservice@circlesafe.com



TECHNICAL BULLETIN #245

Conversion to a Mi-Glow Oil Bath From An Oil Bath System

Cleaning Instructions Prior To Initial Charge

Before charging a system for the first time with Mi-Glow[®] oil-based particles, it is important that the system be thoroughly cleaned and flushed. The Mi-Glow[®] particles may not be compatible with those previously used; causing interactions between the different particles that will adversely affect performance. This thorough clean-out should include not only the tank itself, but also all of the pumps, hoses, and recirculating equipment. These are the most likely areas for particles to settle, as well as get hung up. This will permit optimum operating conditions for the oil-based Mi-Glow[®] products.

The following procedure is recommended for cleaning out the tank prior to recharging. Be aware that clean-out of a oil bath system can be difficult due to the fact that oil coats all exposed surfaces with a continual film, hence most exposed surfaces will contain varying amounts of residual particles. The clean-out is complicated by the fact that ordinary cleansers cannot be easily used. The following recommendations will offer an initial clean-out. It will not provide a complete clean-out due to the aforementioned complications, and the user should be aware that varying degrees of contamination might be present during the first few conversions.

1. Drain the tank system completely.
2. Fill the tank with CircleSol M, or other approved refined petroleum distillate, to the normal operating level. Turn on the recirculating pump and any other agitation that is present. Run the solution through the discharge hoses. Scrubbing of certain areas may be required. The length of time for this operation will depend upon individual situations but 15 minutes is generally sufficient.
3. Drain the system.
4. Fill the tank with solvent and charge the system.

IMPORTANT! The cleaning process above should be effective for removing gross contaminants and most residual foreign materials in the system. The oil-bath chemistry in Circle Systems products continues to remove remaining residual materials as it is used. It is typical that the first bath of Circle Systems products will show the effects of contamination (including reduced brightness and/or sensitivity of particle indications). The second and succeeding baths should not show these signs unless the bath is subject to continued contamination.

DISCLAIMER: OUR TECHNICAL ADVICE, INFORMATION AND STATEMENTS GIVEN VERBALLY, IN WRITING OR IN THE FORM OF TEST RESULTS, ARE OFFERED FOR YOUR GUIDANCE WITHOUT WARRANTY. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. IT IS THE USER'S RESPONSIBILITY TO TEST THE SUITABILITY OF EACH PRODUCT FOR HIS INTENDED PROCESS AND APPLICATIONS. OUR GUARANTEE IS LIMITED TO THE CONSISTENT QUALITY OF OUR PRODUCTS.
