



FLUID TECHNOLOGY

SUMP DOCTOR Rx

CLEANER/CONDITIONER FOR METALWORKING FLUID SYSTEMS



SUMP DOCTOR Rx is a water based, low temperature alkaline cleaner and conditioner (contains biocidal additives) designed for the internal and external cleaning of metalworking fluid sumps and systems. It is designed and formulated for the removal of organic and inorganic contaminants and irritating odors from sumps, lines and water treatment systems.

SUMP DOCTOR Rx is used to flush and clean metalworking machine sumps and system components prior to recharging with fresh coolant or as an additive to control odors. It is engineered to condition metalworking fluids for extended use prior to cleaning and replacement.

SUMP DOCTOR Rx special cleaning and performance additives exhibit enhanced detergency/dispersing properties for the effective and timely removal of oil-based contaminants, swarf and microbiological growth present in sumps and coolant lines. SUMP DOCTOR Rx is also recommended for water treatment, recycling and cooling systems.

FEATURED BENEFITS:

- High detergency multi-purpose hard system cleaner
- Low use concentrations assure low consumption and cost effectiveness
- Balanced detergency/surfactant package providing added cleaning power beyond normal high alkaline system cleaners
- Safe on all metals
- Safely and effectively dislodges and removes both inorganic, organic and biological residues and deposits

PRODUCT SPECIFICATIONS:

Appearance	Clear and light amber
Odor	Mild
Specific Gravity	1.05
pH Neat	10.00
pH (5% dilution).....	9.40
Solubility	Complete in water, forms clear solution
Rinsability	Excellent with water

SHIPPING-AVAILABILITY:

SUMP DOCTOR Rx is available in 4/1 gallon bottles (case), 5 gallon pails, 55 gallon drums and 275 gallon totes, and bulk quantities.



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Note: This information is presented in good faith, but no warranty, express or implied. The final determination of the suitability of the products for the application contemplated by the user is the sole responsibility of the buyer.

APPLICATION/USAGE:

The old metalworking fluid should be drained from the sump or system. Also, attempt to remove all swarf, debris and dirt from all machine surfaces, transfer lines, floor trenches, filter mechanisms and the sides of the sump or mix tank. Failure to do this could result in an immediate contamination of the new metalworking fluid immediately after charging. Always use proper personal protective equipment.

The sump or system should then be recharged with water and SUMP DOCTOR Rx. For systems which are relatively clean, charge the SUMP DOCTOR Rx at 2.0% by volume. For dirtier systems, charge between 3.0-5.0% by volume. Hot water should be used if possible, at least for the initial charge. The sump/system should be filled with a sufficient volume of diluted cleaner to reach all system surfaces so that the cleaner volume reaches a fluid level above the level normally maintained for the coolant.

Circulation time will depend upon system size. For individually sumped machines of 100 gallons or less, the cleaner solution should be circulated for at least four to eight hours. For larger systems, especially central systems of 1000 gallons or larger, the cleaner solution should be circulated for at least 24 hours. Attempt to wash or hose down all machine surfaces, floor trenches, transfer lines and filter mechanisms with the cleaner solution to insure the effective removal of all dirt, debris, contaminants, and biomass.

SUMP DOCTOR Rx may also be added to the contaminated fluid prior to dumping the system. Utilize the same system concentration recommendations as described earlier based upon the degree of system contamination. Also utilize the same circulation parameters as listed above. Follow-up with an aggressive aqueous rinse. If the rinse water solution exhibits a high degree of contamination, especially bio-mass, a second cleaning sequence may be necessary.

SAFETY-DISPOSAL:

Emergency and First Aid Procedures

- **Eye Contact:** If splashed into the eyes, flush with clean water for 15 minutes or until irritation subsides. If irritation persists, call a physician.
- **Skin Contact:** In case of contact, remove any contaminated clothing and wash the skin thoroughly with mild soap and water. If irritation persists, call a physician.
- **Inhalation:** Remove to fresh air. Call a physician immediately.
- **Ingestion:** If ingested, call a physician immediately.

Further information regarding health and safety is available upon request.

SUMP DOCTOR Rx should be stored indoors. All components used in SUMP DOCTOR Rx have been registered with the federal government and have assigned CAS numbers. Dispose of in accordance with local authority requirements. Protective eye wear and chemical resistant gloves are recommended when handling SUMP DOCTOR Rx concentrate.

DOT LABELING REQUIREMENTS:

Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101): Not a Hazardous Material.
Hazardous Class (49 CFR 172.101): Not Applicable.

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**SAVE MONEY AND
INCREASE EFFICIENCY
WITH A REFRACTOMETER!**



\$85 Plus Shipping

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