

TECHNICAL DATA SHEET

QUAKERCLEAN® 613 DPD SUMP AND MAINTENANCE CLEANER

QUAKERCLEAN® 613 DPD is a cleaner specifically formulated for central systems, single machines, or premix tanks filled with machining and grinding fluids.

Applications

QUAKERCLEAN® 613 DPD is designed to penetrate, loosen, lift, and emulsify a variety of tenacious soils with a unique balance of constituents. It can be added to the coolant and recirculated for 2-24 hours while continuing your machining operation.

Customers

- General Motors
- Magna
- Safety-Kleen
- JTEKT

Customer Approvals

- Ford Tox. No. 044227
- General Motors HMCS ID No. 30022177

Compatibility

To enhance process compatibility, use Quaker Houghton metalworking fluids and corrosion preventives.

Benefits

- Provides excellent cleaning in a number of maintenance applications
- Minimizes operational down time during sump clean out which is cost effective
- Excellent cleaning that ensures good sump life for fresh coolant
- Cleans a wide variety of soils

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions. This product has a shelf life of 6 months, and it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 100°F (38°C).

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Clear to slightly yellow	
Pounds per gallon at 60°F	9.4	lbs/gal
Neat pH at 77°F	11.8	
Flash Point via COC	Boils at 100 212	°C °F
Odor	Soapy	
Alkalinity	3.2	meq/gm
Appearance (2.0% dilution)	Clear solution	
pH (2.0% distilled water)	11.0	



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Fluid Maintenance

QUAKERCLEAN® 613 DPD is to be used diluted in water. Always add product to water. The concentration of QUAKERCLEAN® 613 DPD is based upon the level of dirt of the sump/system to be cleaned. Typical concentration is 1.0% by volume. Heated water (120-180°F) improves the cleaning capability of the product, but the product may be used at ambient conditions.

QUAKERCLEAN® 613 DPD should be added to fresh water at a fluid level sufficient enough to allow pumps to circulate the cleaner solution throughout all contact areas. Emphasis should be placed on making sure that the cleaner is flushed through coolant lines, spray nozzles, etc. The used solution should be discarded along with sludge, chips, dirt, and debris when completed. In badly contaminated systems, this process should be repeated. Thoroughly rinse all areas of the system and machine tool with a low concentration of the fresh coolant. This insures that the alkaline nature of the cleaner is neutralized. Checking the pH of the final rinse is the best method for determining whether or not the cleaner has been neutralized.

CONCENTRATION	
Sump Cleaning	1 - 2% by volume
Floor Scrubbers	1 - 3% by volume
Hand Mop Operations	5 - 15% by volume
Soak Tank	1 - 10% by volume
Wipe On	10 - 100% by volume
Steam Cleaning	1 - 10% by volume

This product may also be used in spray applications for cleaning machine tools (adequate ventilation should be provided, if this method is employed).

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 011992

