

CLEANERS

QUAKERCLEAN® 613 DPD SUMP AND MAINTENANCE CLEANER APPLICATION SHEET

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
- » Safe on ferrous and non-ferrous surfaces
- » Good foam control over a wide temperature range

APPLICATIONS

QUAKERCLEAN® 613 DPD is a cleaner specifically formulated for central systems, single machines, or premix tanks filled with machining and grinding fluids. With a unique balance of constituents, this product is designed to penetrate, loosen, lift, and emulsify a variety of tenacious soils. 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

PROPERTIES

PROPERTY	TYPICAL VALUE
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 212°F / 100°C
Odor	Soapy
Alkalinity	3.2 meq/gm
Appearance (2.0% dilution)	Clear solution
pH (2.0% distilled water)	11.0

PROCESS COMPATIBILITY

To enhance process compatibility, use Quaker metalworking fluids and cleaners.



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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 (120-180oF) 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.

ALL PERCENTAGE BY VOLUME

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).

STORAGE AND HANDLING

QUAKERCLEAN® 613 DPD is available in drums (54 gal/508 lbs) or totes (320 gal/3,008 lbs). All containers are filled to volume by weight. This product has a shelf life of 6 months. Like most chemicals, it should be stored out of direct sunlight in temperatures between 40°F (4°C) and 100°F (38°C).

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