

STOP FREEZING LIKE THIS

A LITTLE PM WOULD HAVE KEPT THESE GUYS FROM FREEZING SOLID!

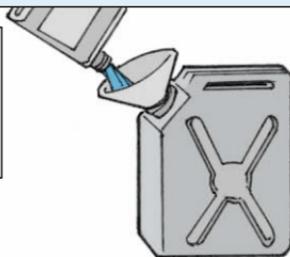
Both the M17 and M12 decons often sit for long periods without getting any use. Sitting in cold weather can produce unpleasant surprises, like water freezing in the tanks and pumps and causing serious damage. But a little PM can freeze out freezing problems.

Freeze protection is easier with the M17 because you can just run antifreeze through it. Mix 1 gallon of antifreeze, NSN 6810-01-181-7121, to every 2 gallons of water and fill the M17's tank with the mixture. The procedure begins on Page 2-55 in TM 3-4230-228-10.

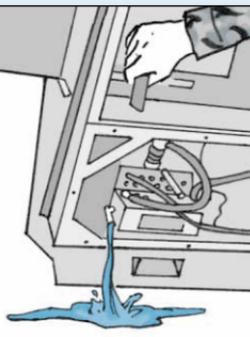
It's a different story with the M12. You can't use antifreeze in it because it will mix with bleach and produce a toxic gas that can create enough pressure in the tank to rupture seals and valves.

The solution is general purpose lubricating oil (PL-S), NSN 9150-00-231-6689. First, park the M12 on level ground and drain all water from the main tank, prime detergent tank and pump. Then mix 3 pints of oil with 3 gallons of water. Pour the mixture into the detergent tank and open Valve 4. Run the pump 30 seconds, then drain the pump. Close Valve 4, but leave the pump drain valve open. Now the pump won't freeze.

Mix 1 gallon of antifreeze to every 2 gallons of water



Drain tanks and pump



Pour water/oil mixture in detergent tank... and open Valve 4

