

PIPE CLEANER

ENGINE/DECK

DESCRIPTION:	MARISOL PC is a strong acid cleaning solution. Protects against formations/deposits in pipes, i.e. sewage & vacuum systems, when dosed according to a maintenance schedule. Also suitable for scale removal in heat exchangers and pipe systems.
APPLICATION:	Preventive maintenance, once/month: Treat the complete pipe system once/month in accordance with a planned schedule. The most effective dosage is achieved by adding MARISOL PC directly to the toilet bowl or through specially mounted taps, situated right out on the pipe. Complete cleaning (when necessary or once/year): If large deposits (5-10 mm) are found, each pipe should be cleaned with MARISOL PC . Cleaning/dosage to be repeated 3-4 times/day. De-scaling liquid for bath or recirculation.
DILUTION:	Preventive maintenance/de-scaling: 1 part of MARISOL PC with 3 parts of water. Dose approx. 0.5 litre/system. Complete cleaning of sewage system: Start in lower sections and use 1 part MARISOL PC to 5-6 parts of water.
DIRECTIONS FOR USE:	Please turn over for information.
PRECAUTIONS:	Causes burns (R34). Keep locked up and out of reach of children (S1/2). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26). In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).
PACKAGING:	European size: 32.5 kg (25 litres) plastic container, 270 kg (208 litres) plastic container. US size: 5 gal. plastic container, 55 gal. plastic drum.

MARISOL PC is approved to fulfil the demands according to the Marine Environment Protection Committee, MEPC, and evaluated as a cleaning agent that is found to meet the requirements of paragraph 1.8.2. of the P&A standards at International Maritime Organisation, IMO. MARISOL PC is approved to fulfil the demands according to the Norwegian National Institute of Public Health.

TECHNICAL INFORMATION

Composition:	Phosphoric acid Aminotris (methylenphosphonic acid) Water
Solubility in water:	Totally soluble
Density:	1 360 kg/m ³ at 20 °C
pH:	1.5 (neat)
Flashpoint:	None
Appearance:	Clear liquid

Please turn over

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MARISOL[®] PC

Pipe Cleaner

DIRECTIONS FOR USE

GENERAL:

Deposits are formed in all sewage vacuum systems. The quantity varies depending on type of pipe system and utilisation degree. The cleaning agent should be based on phosphoric acid (recommended by manufacturers of vacuum systems), which is less hazardous by handling than other acids. The phosphoric acid is also less aggressive to metals than e.g. hydrochloric acid.

MARISOL PC is based on phosphoric acid and low foaming tensides, which efficiently protect the pipe systems against deposits.

1 plastic container 32.5 kg (25 litres), approx. 6 gal. is sufficient (if diluted 1:3) for 200 preventive dosages (0.5 litre/dosage).

PREVENTIVE MAINTENANCE:

The complete system should be treated once/month, according to a rolling schedule. The most effective dosage is achieved by adding **MARISOL PC** through specially mounted taps, situated on the pipe. If no taps are mounted, dose directly into the toilet.

1 part **MARISOL PC** should be diluted with 3 parts of water.

The acid should always be added to the water.

Add 0.5 litre of the solution via the specially mounted taps or directly into the toilet situated furthest away in the pipe system.

COMPLETE CLEANING:

If required.

If deposits of 5-10 mm arise, clean the pipe system with diluted **MARISOL PC**. At first and second cleaning cycle, dilute with 5-6 parts of water (to prevent from total blocking in the pipe). The concentration should be increased to 3 parts of water after the initial 2 cleaning cycles. Start cleaning cycle at bottom of pipe system.

1. Turn off the water supply to the selected pipe system.
2. Flush 5-10 times in order to empty the pipe.
3. Add diluted **MARISOL PC** while flushing 5-10 times in order to spread the acid. Let **MARISOL PC** work for 1-2 hours.
4. Restore the pipe system.

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INFORMATION OF OUR PRODUCTS ARE GIVEN COMPLETELY FREE OF UNDERTAKING.
APPLICATION LIES OUT OF OUR CONTROL AND WE CANNOT ACCEPT ANY RESPONSIBILITY FOR THE RESULTS

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