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**TECHNICAL DATA SHEET**

# HB-188

## Rout-A-Root

### Description:

- Contains copper sulfate, which kills the roots and prevents new root growth.
- Copper sulfate is readily absorbed on organic and inorganic colloids of sludge and clay in the title joint
- Provides residual control of root growth by inhibiting the development of actively dividing meristem cells in the root tips.
- New root re-growth from outside the pipe joints or where cracks and leaks occur are retarded or inhibited in growth when they come in contact with the copper sulfate inside the pipe.

### Application Directions:

By soaking; Start treatment with the first manhole upstream of the section to be treated. The sewer line should be plugged at the lower end of the pipe to be treated.

Determine the volume of water the sewer line should hold by using the table below:

Pipe Diameter	1 foot length
4 inches	0.66 gallons
6 inches	1.47 gallons
8 inches	2.61 gallons
10 inches	4.10 gallons
12 inches	5.90 gallons

After the solution has been allowed to soak the roots for at least 30 minutes to an hour, the next manhole section downstream should be plugged. This procedure can be repeated with 300 gallons of solution for 750-1000 feet of pipe.

**WARNING:** Avoid breathing of vapor. Do Not get into eyes, on skin or clothing. In case of contact, remove contaminated clothing and shower flush with plenty of water. For eyes, flush with water for at least 15 min and then get medical attention.