



**cbio**  
cleveland biotech  
the natural solution

**clearinate**<sup>®</sup>

AMNITE<sup>®</sup> L310  
AMNITE<sup>®</sup> L300

Biological limescale and uric acid degrader for urinals.



#### Installation/application requirements

Installed by:	CBIO engineers
Power requirements:	Battery
Mains water requirements:	None
Injection point:	Direct injection into the urinal cistern

#### Product availability

Dosing unit	
Clearinate unit:	250 x 180 x 120mm
Bio-fluid dosing bottle:	1lt reservoir (10 x conc)
Spray bottle:	750ml spray bottle (RTU)

#### Bio-product description

Cfu/ml:	Min 1 x 10 <sup>8</sup> cfu/ml (10 x conc) Min 1 x 10 <sup>7</sup> cfu/ml (RTU)
Description:	Green viscous liquid
Hazard group:	Hazard group 1

#### Health & Safety statement

Material Safety Data Sheets are available on request

#### AMNITE L300 CLEARINATE URIC ACID DEGRADER

A 24 hour supermarket on the outskirts of London, part of a major chain, had frequent customer complaints about the unpleasant smell emanating from the urinals in the male toilet area. All attempts to resolve the matter over an 18 month period proved unsuccessful.

In 2003 CBIO were asked to investigate and, if possible, to remedy the problem. The source of the odours was identified as uric acid crystallising in the urinal drain lines, but also, in part, to uric acid trapped under the floor tiles around the urinals. This latter problem is common due to the inaccuracy of the male species even though they are equipped with a pointer. The uric acid gets under the tiles through the grout where it crystallizes and produces odours.

CBIO recommended that an automatic Clearinate Dosing System be installed in the men's toilets, dosing concentrated Clearinate into the cistern of the urinals on a programmed basis. They also recommended that the cleaners added Clearinate to their daily wash water in order to degrade the uric acid under the tiles. Both recommendations were accepted and the Dosing System fitted in August 2003. Within 4 weeks of the adoption of these proposals, all the odours were eliminated and no further customer complaints about urinal odours have been recorded since.

