simpler solutions

P.I. TerraGreen Restroom and Shower Room Cleaner Concentrate

Product Number 850068-55

Bid Specification Enclosed

Description of Finished Product - A liquid, Green Seal Certifiable, and environmentally responsible, shower, bowl, urinal & restroom scale remover. The product shall be formulated as a concentrate for use as a shower and restroom cleaner and/or as a RTU bowl/urinal cleaner. The concentrated finished product manufactured (restroom and shower cleaner) is only for dispenser use. The RTU product manufactured is to be Green Seal Certifiable as a bowl/urinal cleaner. The use solutions of the concentrate and the RTU bowl and urinal cleaner shall easily remove even heavier scale accumulations. The use-solutions shall not give off harsh acid fumes.

Blending –

For 100 gal of Concentrate: Add 45.6 gallons (453 lbs) of P.I. TerraGreen Restroom & Shower Room Cleaner Concentrate to 54.4 gallons (453 lbs) of softened water and blend until uniform.

OR

For 100 gal of RTU Product: Add 7.75 gallons (77.25 lbs) of P.I. TerraGreen Restroom & Shower Room Cleaner Concentrate to 92.25 gallons (767.25lbs) of softened water and blend until uniform.

Note that the product is acidic and must be manufactured only in fiberglass or polyethylene tanks and filled only into plastic containers. All contact surfaces, including fill heads should be plastic or fiberglass.

End-User Dilution Rate of Finished Product Conc.	1 to 32, 1 to 16
EPA Registration required	No
Brulin Brand Name of Finished Product	**TerraGreen Kick** **TerraGreen Kick Plus (RTU)**
Packaging for Finished Product	Concentrate: 4 X 1 Gal w/btl inserts/case RTU: 12 flip top Qts/case

Specifications

Brulin & Company, Inc. • P.O. Box 270 • Indianapolis, IN 46206
(800) 776-7149 • Fax (317) 925-4596 • www. brulin.com • email: brulin@brulin.com
ISO 9001:2000 Registered

P.I. TerraGreen Restroom and Shower Room Cleaner Concentrate

Typical Physical and Chemical Specifications for the Manufacturing Intermediate:

Chemical Composition:	A blend of organic acid, surfactants, dye and fragrance.
Physical Form:	Liquid
Acid Content (typical)	52% +
Typical pH of Use Solution	≤ 1
Typical pH of Concentrate	≤ 1
HMIS Health Rating	2 maximum
Odor	Citrus floral
Flash Point	None to boiling
VOC (%)	0

Special Requirements or Approvals: Finished products manufactured from intermediate must be Green Seal Certifiable. HMIS Health Rating of manufacturing intermediate must not exceed 2 and shall be shown on the MSDS submitted with the bid

Specifications for the Finished Product
P.I. TerraGreen Restroom and Shower Room Cleaner
Made from the manufacturing intermediate

Typical Physical and Chemical Characteristics:

Chemical Composition	A blend of organic acid, surfactants, dye and fragrance
Physical Form	Liquid
Biodegradable	Yes
Urea hydrochloride content (typical)	26%+
Typical pH of Use Solution	< 1
Typical pH of Concentrate	< 1
Flash Point	None to Boiling
VOC (%)	0
HMIS Health Rating	2 maximum
Special Approvals or Requirements	Formulation must be Green Seal Certifiable Must have maximum HMIS Health rating of 2 and shall be indicated on the MSDS submitted with the bid.

Specifications for the Finished Product (RTU)
P.I. TerraGreen Bowl and Urinal Cleaner
Made from the manufacturing intermediate

Typical Physical and Chemical Characteristics:

Chemical Composition	A liquid blend of organic acid, surfactants, dye and fragrance
Urea hydrochloride Content (typical)	4.8%
Typical pH of Use Solution	< 1
Typical pH of Concentrate	< 1
Flash Point	None to boiling
VOC (%)	0
HMIS Health Rating	1 maximum
	Special Approvals Required Formulation must be Green Seal Certifiable as a RTU bowl and urinal cleaner. Must have a maximum HMIS Health Rating of 1 and shall be indicated on the MSDS submitted with the bid.