



MATERIAL SAFETY DATA SHEET

ROLF C. HAGEN INC., 3225 SARTELON,
MONTREAL, QUEBEC, H4R 1E8



Section I. Product identification and uses		Section II. Hazardous ingredients
Product name	Cycle	None
Chemical formula	Mixture	
Chemical family	Bacterial Suspension	
Material uses	Nitrifying Bacteria	
Section III. Physical data		
Physical state and appearance/ Odour	Turbid suspension with slight smell of mildew	
pH	7.0 – 8.0	
Percent volatile	Not available	
Freezing point	32° F (0°C)	
Boiling point	Not available	
Specific gravity	1.01	
Vapour density	Not available	
Vapour pressure	As water	
Evaporation rate	As water	
Solubility	Not applicable	
Section IV. Fire and explosion data		
Not applicable		
Section V. Reactivity data		
Stable	Excess air contact will shorten shelf life of bacteria Excess temperature over 50 C or freezing will affect product activity.	

Section VI Toxicological properties	
Routes of entry	
Effects of acute exposure	Not available
Eye	Not available
Skin	Not available
Inhalation	Not available
Ingestion	May cause slight diarrhea. Contact with open wounds not recommended.
Effects of chronic overexposure	Not available

Section VII First aid measures	
Eye contact	Flush eye with large amount of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lid with water.
Skin contact	Wash skin with soap and water
Inhalation	Not applicable
Ingestion	Drink a few glasses of water

Section VIII. Preventive measures	
Protective clothing in case of spill and leak	Wear impervious protective clothing
Spill and leak	Wash with water Can be flushed into sewer or water courses
Waste disposal	Flush to any disposal system
Storage and handling	Avoid freezing Store away from high temperature

Section IX. Protective measures	
Protective clothing	Chemical resistant gloves Wear impervious protective clothing Chemical safety goggles
Engineering controls	Not applicable

Section X. Other information	
Special precautions or comments	For shipping this product is not regulated by TDG Maintain good personal hygiene after handling

Prepared by Rolf C. Hagen Inc. (514) 332-0914	Validated January 19, 2005 MSDS A7590 A7595 A7600 A7610 A7612 A7614
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