

AGRICULTURE AND HORTICULTURE INDUSTRY



PREMISE AQUA is used for sanitizing drinking water in agricultural premises as hog and poultry barns.

FEATURES and BENEFITS

- Contains 1.75% of titratable iodine
- Effective in cold water
- Maintains effectiveness in hard water
- Safe for human & animals at recommended dilution rates
- Fast acting
- Effective in the presence of organic matter

DIRECTIONS FOR USE

Sanitizing drinking water

An initial dilution ratio of 1 part **PREMISE AQUA** to 5,000 parts of water is recommended as a starting point in order to give an initial concentration of approximately 4 PPM of iodine in the water. If the water is clean and has low alkalinity, it may be possible to use even less iodine. In such a case the dilution can be increased by as much as 1 to 10,000. (2 PPM)

When diluted through a medicator pump, it is recommended that the product be pre-diluted at a rate of 1 part to 40 parts water or 2.5% by volume. This pre-diluted solution should then be diluted through the medicator pump at 1:128 to give a final dilution of approximately 1:5,000.

The system should be adjusted in such a way so that the final concentration of iodine in the water at the outlets is between 0.2 to 0.5 PPM. A residual amount of iodine left over as described means that all micro-organisms have been eliminated and that there is iodine to spare. Should the levels come out higher than 0.5 PPM, it is recommended to lower the iodine input. If the levels are lower or zero, this would indicate that there could still be micro-organisms present in the water, making it necessary to increase the amount of product. A test kit is available in order to monitor the iodine levels. During the first few days, it is important to monitor the iodine levels frequently to ensure that the system has stabilized.

The dilution ratios can be used to obtain the following starting iodine levels

PPM	Ratio	4 ml/X litres	1 ml/X litres	Dilution %
1	1:20,000	80	20	0,005
2	1:10,000	40	10	0,010
3	1:6,000	24	6	0,017
4	1:5,000	20	5	0,020
5	1:3,500	14	3,5	0,029
8	1:2,500	10	2,5	0,040

PREMISE AQUA

IODINE-BASED SANITIZER

PHYSICAL PROPERTIES

Appearance	Dark brown liquid
Odour	Low
Specific gravity @ 20°C	1.21
Viscosity	Low
pH	< 1
Flash point (TCC)	None
Phosphorus	Yes
Water solubility	Complete
Auto ignition temperature	None
Chlorine	None
Boiling point	Approx. 100°C
Freezing point	N/A
Foaming tendency	Moderate
Concentration monitoring techniques	Titration
Rinsing	Excellent

INCOMPATIBILITY

Alkaline and chlorinated products,
reducing agents

WAREHOUSING PRECAUTIONS

Store in a dry cool area

FIRST AID MEASURES

EYE CONTACT

Wash with plenty of water for 15 minutes.
Consult physician.

SKIN CONTACT

Wash with plenty of water for 15 minutes.
Consult physician if irritation develops
or persists.

INHALATION

Give fresh air

INGESTION

Do not induce vomiting. Drink plenty of water
and contact physician.

HEALTH

2

FLAMMABILITY

0

REACTIVITY

0

LEGEND

0 = MINIMAL RISK
1 = SLIGHT RISK
2 = MODERATE RISK
3 = SERIOUS RISK
4 = SEVERE RISK

PERSONAL PROTECTION Security equipment



WHMIS



IMPORTANT : Before using **PREMISE AQUA**, always be sure to read and follow precautions and directions for use appearing on the product's container label, and on the material safety data sheet (M.S.D.S).