



**PRODUCT DATA SHEET**

**PRODUCT: TRIHIDRO**

**Company Details**

<b>Name:</b> MANCHEM (PTY) LTD	<b>Emergency Tel. No.</b> +27 82 775 6587 (after hours)
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**CORROSIVE**

**WATER LINE CLEANER**

**NRCS Registration: Act29GNR529/245082/140/0160**

**SANS 10234:2008 AND SANS 11014:2010**

**AREA OF APPLICATION:**

TRIHIDRO is a peroxyacetic acid-based sanitizer/disinfectant developed for the prevention and removal of heavy soils and scale/mineral build up from the drinking water system in animal and poultry houses. It can also be used as a disinfectant for previously cleaned hard non-porous surfaces in poultry houses, hatcheries and livestock quarters.

**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Clear liquid  
Odour : Acidic  
S.G. : 1.07 – 1.16  
Oxygen : 28 – 35ml

**TRIHIDRO is effective against:**

BACTERIA	DILUTION	FUNGUS	DILUTION
Escherichia coli	1:200	Aspergillus Brasiliensis	1:100
Staphylococcus aureus	1:200	Candida Albicans	1:100
Pseudomonas Aeruginosa	1:200		
Enterococcus hirae	1:200		

**ENVIRONMENTAL IMPACT**

Very toxic to aquatic life with long lasting effects. Avoid release to the environment. Do not allow into sewer systems. Collect spillage. Dispose of contents and container to a licensed hazardous waste disposal contractor according to local legislation.



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**RECOMMENDED METHOD OF APPLICATION:**

- TRIHIDRO must be added in the systems directly and not mixed with any other chemicals or additives.
- Discontinue the use of chlorine and bromine products prior to using this product.
- Contamination with other chemicals could result in product decomposition.
- Add this product at a point in the system where uniform mixing and distribution will occur.
- To clean the system, use 2% solution / 1:50 or 20 grams per litre of water and leave to work in the system for 12 – 48 hours.
- Rinse with plenty of potable water to make sure all product is out of the entire system, including nipples or cups.
- A 2% / 1:50 dilution is recommended for the best results.

**POULTRY HOUSES:**

TRIHIDRO disinfectants as it cleans in one operation. It can be used as a deep clean step to disinfect floors, walls and other hard non-porous surfaces.

- For heavily soiled areas a pre-cleaning step is required, followed by a potable water rinse.
- After diluting the product 1:200 apply with a mop, sponge or foaming equipment.
- Allow to remain wet for 20 minutes, then remove solution by rinsing with potable water.
- Prepare a fresh solution daily.
- A further disinfectant step is necessary for final disinfection.

**NOTE :** If cleaning the operating system, stop use of TRIHIDRO 12 hours prior to vaccinating or medication via the water line. While cleaning the operating system, never mix any other product with TRIHIDRO.

**PREPERATION TABLE – APPLICATION RATE AT 300mls / m<sup>2</sup>:**

<b>Dilution:</b>	<b>Preparation:</b>
1:100	10ml product in 1 litre of water; 2 litres in 200 litres of water
1:200	5ml product in 1 litre of water; 1 litre in 200 litres of water
1:500	2ml product in 1 litre of water; 400ml in 200 litres of water



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**SAFETY PRECAUTIONS AND FIRST AID:**

<b>FIRST AID</b>		
<b>IF IN EYES</b>	-Hold eye open and rinse slowly and gently with water for 15-20 Minutes.	-Remove contact lenses, if still present after 5 minutes then continue rinsing. - Call a doctor for treatment advice
<b>IF ON SKIN</b>	-Take off contaminated clothing -Rinse skin immediately with plenty of water for 15	-Call a doctor for treatment advice
<b>IF SWALLOWED</b>	-Call a doctor immediately for treatment advice. -Have personal sip water if able to swallow -Rinse mouth with water	-Do not induce vomiting unless told to do so by the doctor. -Do not give anything to an unconscious person.
<b>IF INHALED</b>	-Move person to fresh air -If person is not breathing, Call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible	-Call a doctor for treatment advice.
<b>NOTE TO PHYSICIAN</b> Probable mucosal damage may contraindicate the use of gastric lavage. Have product container or label with you when calling the doctor or going for medical treatment.		

**PACKAGING**

TRIHIDRO is packed in 25 litre UN approved, non-removable head, HDPE plastic jerry cans, square 1200 – 1300g fitted with screw cap and rubber gasket (torque 20Nm). The packaging meets Packing Group II and III tests. Each drum can handle any product with a specific gravity less than 1.8 and allow an internal test pressure of 100kPa.

**STORAGE**

Store in a tightly closed container in a well-ventilated chemical storage facility, between 10c and 25c, away from sensitive environs, Foodstuffs and Children. Keep under lock and key. Keep out of direct sunlight. Prolonged exposure to high temperatures will have a high detrimental effect on the product. Shelf-life 24 months from manufacture date.

