



PRODUCT DATA SHEET

PRODUCT: BIO H

Company Details

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**HIGH FOAMING CHLORINATED DETERGENT
SANS 10234:2008 AND SANS 11014:2010**

AREA OF APPLICATION:

BIO H is a chlorinated caustic cleaner for use where foam application is required and may be used in all food industries including dairies, abattoirs, beverage plants, food processing plants and hatcheries. BIO H efficiently removes fats, oils, proteins and other related soils.

MODE OF ACTION

In chlorinated alkaline cleaners, the chlorine does not only serve as a sanitizing agent, but more as a peptizing agent for protein soils. The proteins form the link between the mineral deposits and the fatty particles. Under alkaline conditions, the caustic soda denatures the proteins therefore breaking the links between the mineral deposits and the fat particles. This denaturing action is greatly enhanced in the presence of chlorine. This breakdown of proteins then enables the caustic soda to remove the fat particles by saponification action.

BENEFITS

BIO H, being a liquid, is easy to dispense or dose.

- Economical to use at recommended concentrations.
- Effective in hard or soft water
- High foaming, ideal for cleaning vertical surfaces.
- Enhances protein peptizing
- Easily removes protein scale.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	:	Clear amber liquid
Chlorine	:	13.0 – 16.0mls
Density	:	1.17 – 1.22
Alkalinity	:	6.0 – 10.0 mls

RECOMMENDED METHOD OF APPLICATION:

Bio H can be applied by high and low-pressure foamers, or simply by hand with the aid of a cloth, mop or brush. BIO H can be diluted 10mls per liter (1%) with water



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SAFETY PRECAUTIONS AND FIRST AID:

FIRST AID		
IF IN EYES	-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
IF ON SKIN	-Take off contaminated clothing -Rinse skin immediately with plenty of water for 15 – 20 minutes	-Call a doctor for treatment advice
IF SWALLOWED	-Call a doctor immediately for treatment advice. -Have person 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.
IF INHALED	-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.
NOTE TO PHYSICIAN		
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:

BIO H 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 10 C AND 25 C, 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 detrimental effect on the product. Shelf - life 24 months from date of manufacture

