

MATERIAL SAFETY DATA SHEET

Product Name: ANTIBACTERIAL ALL PURPOSE WIPES

1. IDENTIFICATION OF THE FORMULATION	
Product Name	ANTIBACTERIAL ALL PURPOSE WIPES HAB-10/25 <i>Note:</i> This MSDS refers only to the liquid and not to the wipes
Classification	An aqueous mixture of an antibacterial agent with nonionic detergent, synergist and hand protecting oil, absorbed on non-woven synthetic wipes.
Chemical Name	N/A (complex mixture)
Hazard Symbol	Non Hazardous
Supplier	Clean Holdings: 860.350.2470 Emergency: 911
Last Revision	June 19, 2003

2. COMPOSITION INFORMATION	
Hazardous ingredients C.A.S. Registry numbers	68939-00-4 Benzalkonium Chloride 50% (0.313% in the formula) - Hazard Symbol: C 1 corrosive, R 22, R 34; S 26, S 28, S 45, S 36/37/39.
Other ingredients	Nonionic detergent, synergist, lanolin oil, Aloe Barbadensis and perfume.

3. HAZARD IDENTIFICATION	
Fire	A non-combustible liquid.
Contact	May be irritating to the eyes, skin and mucous membranes.

Inhalation	The product doesn't emit harmful vapors.
Ingestion	May be harmful if ingested.

4. FIRST AID MEASURES

Skin	In cases of irritation wash with plenty of soap and water, and temporarily discontinue use of the material.
Eyes	Wash under running water for at least 15 minutes. Consult a doctor.
Inhalation	Unlikely to cause any problem.
Ingestion	Do NOT induce vomiting. Rinse mouth well with water and offer some milk.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Water solution. Liquid is not combustible.
Unsuitable extinguishing media	Not known.
Unusual firefighting hazard	Not known.
Special firefighting procedure	Not required.
Combustion products	Not known. No sulfur or nitrogen oxides, no halogen liberated.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution	Avoid eye or skin contact.
Precaution to protect the environment	See "cleanup procedure".
Cleanup procedure	No special measures are necessary for the wipes. If the liquid is spilled absorb it with a suitable absorbent. Dispose of in the proper method defined by local authorities.

7. HANDLING & STORAGE

Handling precautions	Avoid eye and skin contact. Do not inhale vapors for a prolonged period.
Storage	Always store in original container, under cover and in ambient temperatures, not exceeding 45°C [113°F]. Never expose to direct heat or sunlight.

Unsuitable packaging material	No incompatibility known.
Incompatibilities	Strong oxidizing agents, anionic detergents.
Other information	Not known.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure control	Avoid eye and skin contact.
Exposure limit for hazardous ingredient	No exposure limit for the finished product (the soaked wipes).

Personal protective equipment:

Respiratory	Respiratory equipment not required.
Hand	Use protective gloves (only for the liquid <i>production</i> stage).
Eye	Use safety goggles (only for the liquid <i>production</i> stage).
Skin	Use a proper outfit that covers the body and hands (only for the liquid <i>production</i> stage).
Industrial hygiene	Exercise good industrial hygiene practice. Wash after handling, keep away from food.
Other information	Not known

9. PHYSICAL & CHEMICAL PROPERTIES (of the liquid absorbed on the wipes)

Physical form	Clear liquid	
Density	1.050 ± 0.01	20° /C
pH	6.80 ± 0.50	(10% solution in water)
Free acid	25 max	(mg HCl / 100 gr)
Flash point	≥ 158° F (70° C)	P.M. closed cup
Volatile Organic Content V.O.C.	Practically 0	

10. STABILITY AND REACTIVITY

Stability	Stable under ambient conditions. Extrapolated shelf life is at least 24 months in the original container.
-----------	-----------------------------------------------------------------------------------------------------------

Reactivity:

Conditions to avoid	Extreme temperatures.
Materials to avoid	Strong oxidizing agents and anionic detergents.

Hazardous decomposition products	Not known.
----------------------------------	------------

11. TOXICOLOGICAL INFORMATION

Possible health effects:

Skin	May cause irritation and rash upon prolonged exposure.
Eyes	May cause irritation or damage to the cornea.
Inhalation	No known hazard.
Oral	May cause abdominal pain, nausea, and irritation of mucous membrane.
Other health hazard information	Not known.
LD ₅₀ of finished product	N/A.

12. ENVIRONMENTAL INFORMATION

Environmental fate and distribution:

Air	No damage to the atmosphere expected.
Water	The liquid is soluble in water but the mode of use of the wipes minimizes the effect on the municipal sewage system.
Terrestrial Environment	The used tissue should be disposed of according to local regulations, preferably in sealed containers. It should not be incinerated.
Eco-toxicity	Toxic to aquatic organisms.
Persistence and degradation	No information is available.
BOD & COD	Not determined.
Degradation	Not known.

13. WASTE DISPOSAL

Product disposal	The used tissue should be disposed of according to local regulations, preferably in sealed containers. Do not incinerate.
Package disposal	Packaging should be disposed of in accordance with regional and / or national regulations. Empty package does not pose any special hazard.

14. TRANSPORT INFORMATION

Road & rail transport	Not subject to ADR & RID regulations
-----------------------	--------------------------------------

Sea transport	Not subject to IMDG code
Air transport	Not regulated by ICAO/IATA.

15. REGULATORY INFORMATION
EC directive Classification & Labeling

Hazard Symbol		No Hazard symbol required.
Risk phrases:		No risk phrases required.
Safety phrases:		No safety phrases required.

16. OTHER INFORMATION

All the information supplied in this data sheet is based on the current knowledge available to Clean Holdings at the time of revision, and is offered in good faith. For further information or clarification of data and any relevant information available on the product and the safety of handling it, please contact Clean Holdings directly. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Clean Holdings be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.