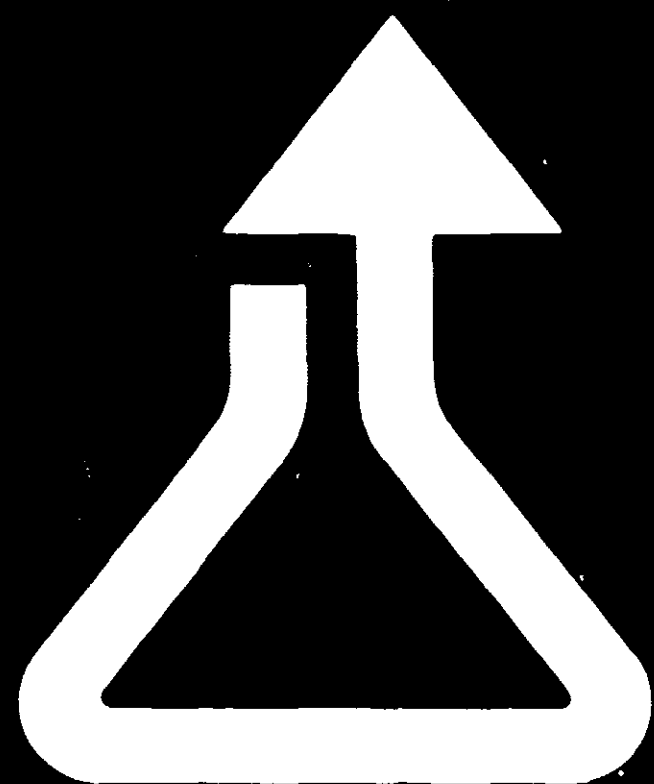


HYAMINE®

FHP-80% CONC.

BACTERICIDE FOR FRESH HIDES



ROHM AND HAAS

PHILADELPHIA, PA. 19105

DANGER!

KEEP OUT OF REACH OF CHILDREN.

SEE ANTI-DOTE STATEMENT AND OTHER RELEVANT DATA
ON SIDE PANEL

ACTIVE INGREDIENTS:

n-Amyl (50 g, C₁₀H₂₂O) 19.8% (by mass), benzyl...

Approved for Release by NSA on 08-25-2014 pursuant to E.O. 13526

...

Ethanol

20

Total

1110

EPA Reg. No. 707-105

NET CONTENTS

Oct 5, 1972

707-105
GALLONS

DIRECTIONS FOR USE

H₂ in the LHP-480°C was at a temperature just below the temperature of the first major decomposition stage. The decomposition was directed to the second stage by the manufacturing of the film. Bulletin 11-64¹

Do not use, empty, trim, return to drum or softener or destroy by perforating or crushing and burning in a safe place.

WARNING: This product should not be used or compounded with any reducing or oxidizing agents (such as calcium hypochlorite, sodium perborate, or nitric acid) since such admixtures may be explosive.

Do not use in conjunction with soap or any anionic wetting agent.

Keep above 40 F. The effectiveness of Hyamine EHP is not reduced by low temperatures. It is a concentrated product and may crystallize or gel below 40 F. **Before use**, stir thoroughly to insure uniformity. Keep container closed to avoid loss of solvent.

DANGER!

Corrosive: Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful to fish if swallowed. Avoid contamination of feed.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If seawater were pumped to the surface, it would add water to the atmosphere. The amount of water added to the atmosphere would be proportional to the amount of water that is pumped to the surface.

NOTE TO PHYSICIAN: Preoperative and postoperative management of the patient may include the use of positive end-expiratory pressure (PEEP) to prevent atelectasis. Atrial fibrillation is well recognized as a complication of surgery. To support breathing and oxygenation, supplemental oxygen, humidified, heated, and filtered, is inspired. Ventilation may be controlled by the patient or controlled mechanically by a mechanical ventilator.

NOTICE: Seller warrants that the product is new, not chemically treated, and that it meets all of the requirements stated in the label when used in accordance with the label. Seller does not warrant fitness for other than the uses, or any other warranty, of material and plant, or fitness for a particular purpose, except as may be intended by the manufacturer and printed on the product label. Seller does not warrant that the product is safe for use in any manner other than as directed on the label. Seller does not warrant that the product is safe for use in any manner other than as directed on the label.



leather
(buckram)
texture
buckram

Hyamine® FHP — 80% Conc.

Fresh Hide Preservative

Hyamine FHP — 80% Conc. is a liquid preservative that protects raw hides from damage caused by protein-digesting bacteria for periods up to three days. It is useful for holding fresh hides in good condition during short-term transit from packing plant to tannery for direct processing. Hyamine FHP — 80% Conc. has been registered by the Environmental Protection Agency under EPA Reg. No. 707-105.

DESCRIPTION

Hyamine FHP — 80% Conc. is a selected blend of alkyl dimethyl benzyl ammonium chlorides chosen because of their exceptional microbicidal effectiveness in hard water. It is an 80 percent concentrate in ethanol.

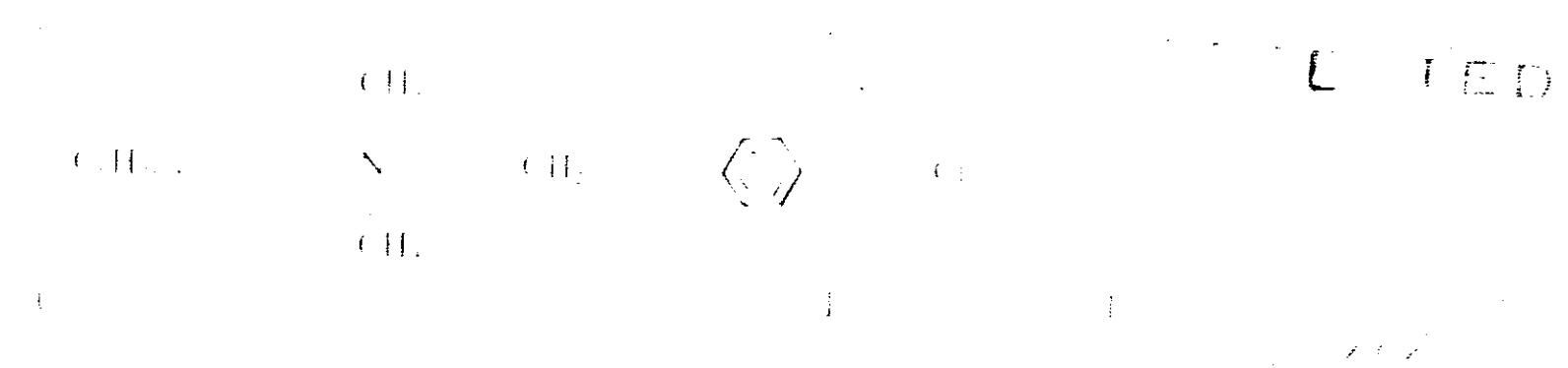
It has been demonstrated that the dodecyl (C_{12}), tetradecyl (C_{14}), and hexadecyl (C_{16}) dimethyl benzyl ammonium chlorides are the most active germicidal components of alkyl (C_8 to C_{16}) dimethyl benzyl ammonium chloride. The distribution of C_{12} , C_{14} , and C_{16} is carefully controlled in Hyamine FHP — 80% Conc. to insure excellent microbicidal activity and good physical properties.

TYPICAL PROPERTIES

Composition

Active Ingredient

80% in alkyl (C_{12} , C_{14} , C_{16}) dimethyl benzyl ammonium chloride



The active ingredient is a mixture of the alkyl (C_{12} , C_{14} , C_{16}) dimethyl benzyl ammonium chlorides.

Solubility (in water at 25°C)	20% Ethyl alcohol
Appearance	Clear, straw-colored liquid with a mild odor. Will crystallize after prolonged storage at low temperatures, but will return to a homogeneous liquid state when warmed.
Specific Gravity (at 25°C)	0.93
Pounds per Gallon (at 25°C)	7.75
Brookfield Viscosity at 25°C	1200 cps. (#2 spindle, 12 rpm)
Flash Point	
Tag Open Cup	Slight flash at 121°C.
Tag Closed Cup	43°C.
Solubility	Miscible in all proportions with water, lower alcohols and ketones. Soluble in low molecular weight glycols; partially soluble (to 30 percent) in aromatic hydrocarbons. Can be coupled into aliphatic hydrocarbons by a suitable solubilizing agent.

WARNING: Hyamine FHP—80% Conc., like most organic compounds, should not be blended with strong oxidizing or reducing agents. Such mixtures may be explosive.

Protect from freezing.

TREATMENT OF FRESH HIDES WITH HYAMINE FHP—80% CONC.

Background

The transportation of fresh hides either directly to the tannery for processing or to a central point for curing is a relatively new method of handling fresh hides.

Preservation of fresh hides to prevent deterioration during transfer is necessary in direct treatment operations to maintain the quality of the hides. Signs of deterioration are development of heat "hair ship" and detectable grain damage in the eventual leather. Summer weather with its higher temperatures and higher humidity accelerates deterioration of fresh hides.

Application of a solution of Hyamine FHP—80% Conc. to washed, fleshed fresh hides has proved effective in delaying the onset of deterioration. It can be shown that, as heat is developed, the incidence of hair ship is lower and grain damage is absent or materially reduced in the resultant leather after such a treatment.

Treatment Procedure

In making up a fresh hide treating solution, 2 gallons of Hyamine FHP—80% Conc. is dissolved in 4 1/2 gallons of water at room temperature. This solution is then sprayed on the hair side of washed and fleshed hides at an application level of approximately .33 fluid ounces of solution per hide, resulting in application of 1.5 fluid ounces of Hyamine FHP—80% Conc. to 4 1/2 sq. ft. of hide. After this treatment the hides are ready to dry to a minimum of 10% moisture content. Trimming of excess fat should be completed prior to the application of the Hyamine FHP—80% Conc.

Hyamine FHP—80% Conc. is not a preservative and should not be stored in the recommended container. For this reason it is not advised that it be stored in the same container as the original manufacturer's processing

Spraying should be conducted at a low line pressure, 15–20 psi, to avoid atomization of the bactericide. A drip paper or drip cloth placed over the animal's head eliminates noxious vapor.

In conveyor belt handling where some species require only concentrated solutions of Hyamine FHP—80% Conc., it may be practical to provide uniform deposition of the recommended 1.5 oz. per hide.

Advantages

Presently, three alternative methods are in use for transporting fresh hides. In one, washed and fleshed fresh hides are shipped untreated on flatbed trailers. Using this method, experience has shown, leaves hides subject to some deterioration, especially in summer weather. Another method is to transport the hides in a brine solution in a tank truck. This method, while satisfactory, requires special equipment and the transport of a large volume of brine that would not be required with the Hyamine FHP—80% Conc. treatment. Finally, the fresh hides may be treated with dry salt in a drum or hide processor, however, this method requires investment in equipment as well as additional labor for loading and unloading.

On balance, treatment of fresh hides with a solution of Hyamine FHP—80% Conc. proves desirable as the most direct, simple and economical method of delaying the onset of deterioration while the hides are in transit for short periods of time.

Alternate Treatment Procedure

Fresh skins, after fleshing and trimming, should be loaded into a drum, paddle or hide processor and washed with cold water to free of blood, dirt and manure. The vessel is then drained and refilled to cover the stock with cold water. An amount of Hyamine FHP—80% Conc. equivalent to 1.5 fluid ounces hide is then diluted with 20 times its volume of water and slowly added to the vessel while it is running. Agitation is continued for 20–30 minutes after the addition.

At this point, the hides can be removed from the equipment, drained well and moved to storage or transported. If they are to be further processed at the site at a later time, they may be held in the Hyamine FHP solution.

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