



# BUSAN 1104

BUSAN is a registered trademark.

ACTIVE INGREDIENT(S)	93.0%
1H-Pyrazole-1-methanol, 3,5-dimethyl	7.00%
INERT INGREDIENTS	
TOTAL	100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
If in Eyes	- Hold eye open and rinse slowly and gently with water for 15-20 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. - Call a poison control center or doctor for further treatment advice.
If on Skin, Clothes	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15-20 minutes. - Call a poison control center or doctor for treatment advice.
If Swallowed	- Call poison control center or doctor immediately for treatment advice. - Have person sip a glass of water, if able to swallow. - Do not induce vomiting unless told to do so by the poison control center or doctor. - Do not give anything by mouth to an unconscious person.
If inhaled	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. - Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

### Precautionary Statements

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes eye irritation and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing when handling. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS:** Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

### Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Busan 1104 is a preservative that is effective for the protection of emulsion paints, adhesives, latex emulsions, and liquid polishes and waxes. The directions given on this label show the range of effective concentrations indicated by laboratory tests on typical substrates, but it is recommended that appropriate preservation tests be conducted to determine the minimum amount of Busan 1104 needed to preserve a particular formulation. Technical assistance with the application of Busan 1104 as a preservative is available upon request when a description of the problem is provided.

**EMULSION PAINTS:** For in-can preservation of emulsion paints, including acrylic, butadiene-styrene and PVA paints, add 0.025 to 0.4% (250 to 4,000 ppm) Busan 1104 based on the total weight of the formulation. The preservative can be added to the paint or any aqueous raw materials incorporated into the paint.

**ADHESIVES \*:** To protect adhesives, including natural gums, natural latex, PVA emulsions, synthetic gums, starched based adhesives (including non-converted tapioca, corn, and potato starches) and animal glues (including those derived from hide, bone, fish, blood or gelatin) or other adhesives, add 0.05 to 0.4% Busan 1104 based on the total weight of the formulation.

**LATEX EMULSIONS:** For the preservation of styrene-butadiene, PVA, acrylic and vinyl chloride, or other latex emulsions, add 0.02 to 0.3% Busan 1104 based on the total weight of the emulsion.

**POLISHES AND WAXES:** To preserve water-based polishes and waxes in-can during storage, add 0.02 to 0.3% Busan 1104 based on the total weight of the product.

**PAPERMAKING CHEMICALS AND COATINGS \*:** To control the bacterial degradation of paper coatings, size press solutions, wet-end starch slurries, wet-end cooked starch, and other formulations used in papermaking, add 0.05 to 0.4% (500 to 4,000 ppm) Busan 1104 based on the total weight of the formulation. For pigment slurries (including clay, titanium dioxide, and calcium carbonate based slurries) add 0.03 to 0.3% (300 to 3,000 ppm) Busan 1104 based on the total weight of the formulation.

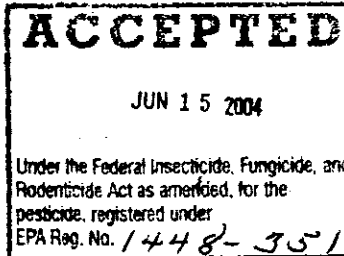
**DETERGENTS:** To prevent bacterial degradation during storage and to increase shelf life of biodegradable surfactants, add 0.05 to 0.5% (500 to 5,000 ppm) Busan 1104 by weight of the formulation.

**INKS:** To increase the shelf life of water based fountain pen, fabric, or paper printing inks, add 0.05 to 0.3% (500 to 3,000 ppm) Busan 1104 by weight of the formulation.

**TEXTILES:** To prevent spoilage of spinning emulsions for rayon and finishing solutions and to prevent viscosity and pH changes in printing pastes caused by bacteria, add 0.05 to 0.3% (500 to 3,000 ppm) Busan 1104 by weight of the formulation.

**CONSTRUCTION MATERIALS:** To increase the shelf and use life of caulking, grouting, sealing and spackling compounds and cements, add 0.04 to 0.4% (400 to 4,000 ppm) Busan 1104 by weight of the formulation.

\*\* Busan 1104 may NOT be used for the preservation of materials which may contact food.



### Storage and Disposal

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Do not use or store near heat or open flame. Do not stack more than four drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at your EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Dispose of liner in a sanitary landfill, or by incineration if allowed by State and local authorities. If burned, stay out of smoke.

Manufactured by  
**Buckman Laboratories, Inc.**  
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(901) 278-0330 or 1-800-BUCKMAN

EPA Est. No. 1448-TN-1  
EPA Reg. No. 1448-351  
Product Weight 9.8 lbs./gal. 1.18 kg/L  
Net contents are marked on the container.

### HMIS / NPCA Ratings

Health 2 Flammability 1 Reactivity 1

Last Revision 4/15/2004

1448-351  
6/15/2004  
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