

Manufacturer Pascal Company, Inc. Product Type/Central Information: Chemical Standard Hyde Product Varser Defencion Name: (active ingredient): 35% gluaraidehyde Product Name: BANCIDE ADVANCED (3.5% aqueous gluaraidehyde solutions.) Hazardous Chemicals: Gluaraidehyde Notes of entry: Inhalation. 25% gluaraidehyde Notes of entry: Inhalation. 25% gluaraidehyde Solutions.) Product Cher: 1-452-827-4693 Product Cher: 35% gluaraidehyde Solutions.) Product Cher: 1-100 (ni USA), 15-085 (in CANADA) Product Cher: 30% gluaraidehyde Solutions.) SECTON 1 – MATERIAL DENTIFICATION AND INFORMATION (CASF 111-30-8) % OSHA ACGIH OTHER LIMITS Product Cher: 30% gluaraidehyde Solutions greater than 10%. BANICIDE ADVANCED contains the folowing hazardous ingredients at concentration greater than 10%. 3.5% 0.2ppm ¹ 0.5ppm SECTON 1 – MATERIAL DENTIFICATION AND INFORMATION (CASF 111-30-8) 3.5% 0.2ppm ¹ 0.5ppm BANICIDE ADVANCED contains the folowing hazardous ingredients it isobe spoater later of the standardo greater than 10%. NA NA ¹ The OSHA Permissible Exposure Level (PEL) for gluaraidehyde sa archive ingredient (MACCI) NA NA ¹ The OSHA Permissible Exposure Level (PEL) for gluaraidehyde solution Rate: 0.31 (Gulyd Acetate = 1) PH: Approximate 6.40 NA Section 3 – FIRE AND	Material Safety Data Sheet						
P.O. Box 1473 Believue. Washington 80009-1478 Phore Number (or information): 1-425-427-4694 Energying Phore Number (-1-425-827-4694 Fax Number: 1-425-827-4693 Fax Number: 1-425-827-4693 Fax Number: 1-425-827-4693 Fax Number: 1-425-827-4694 Fax Number: 1-425-827-4693 Fax Number: 1-425-827-4693 Fax Number: 1-425-827-4694 Fax Number: 1-425-827-4693 Fax Number: 1-425-827-4694 Fax Number: 1-425-827-46	Product Identification: BANICIDE [®] ADVANCED						
Phone Number: 1-425-827-4694 Emergency Phone Number: 1-425-827-4694 Emergency Phone Number: 1-425-827-4694 Fax Number: 1-425-827-4694 Fax Number: 1-425-827-4694 Fax Number: 1-425-827-4694 Fax Number: 1-425-827-4694 PRECAUTIONARY LABELING (HMIS Rating System) Facture: Cade: 16-100 (in USA), 15-085 (in CANDA) Product Cade: 15-100 (in USA), 15-085 (in CANDA) Forduct: Cade: 15-100 (in USA), 15-085 (in CANDA) EACTION I - MATERIAL IDENTIFICATION AND INFORMATION BANICIDE ADVANCED contains the following hazardous impredients at concentrations greater than 1.0%, CAS# 111-30-8 SMACED ADVANCED contains the following hazardous SMACED ADVANCED contains the following hazardous CAS# N/A ¹ The OSHA Permissible Exposure Level (PEL) for glutaraldehyde was invalidated in 1922 by court order. However, the PEL may remain valid in sector Control State Parks and So can be SECTION 2 - PHYSICAL (HEMICAL CHARACERISTICS Section 2 - PHYSICAL (HEMICAL CHARACERISTICS Section 3 - Fifte AND EXPLOSION HAZARD DATA SECTION 3 - FIFE AND EXPLOSION HAZARD DATA SECTION 3 - FIFE AND EXPLOSION HAZARD DATA Secting Fibric Tool (on USA) and protective (GeLI) (GoLI) Section 3 - FIFE AND EXPLOSION HAZARD DATA Section 3 - FIFE AND EXPLOSION HAZARD DATA Secting Fibric Tool (on USA) State Carbon double won when fighting denticial denoming on thematical (ACGHH) Section 3 - FIFE AND EXPLOSION HAZARD DATA Setting Fibric Tool (In USA) (Fibric ACCHARADD DATA Satisfy: Stable Section 4 - Recentury HAZARD DATA Settings Fibric Tool (Fibric ACCHARADD CAT Stability: Stable Section 3 - FIFE AND EXPLOSION HAZARD DATA Settings Fibric Tool (Fibric ACCHARADD CAT Settings Fibric Tool (Fibric ACCHARADD CAT Stability: Stable Section 3 - FIFE AND EXPLOSION HAZARD DATA Settings Fibric Tool (Fibric ACCHARADD CAT Stability: Stable Section 3 - FIFE AND EXPLOSION HAZARD DATA Settings Fibric Tool (Fibric ACCHARADD CAT Stability: Stable Section 3 - FIFE AND EXPLOSION HAZARD DATA Settings and Materials to Avoid: Alkaline (Ph >10) and addic (Ph <1) Fibric Approximately of His Add Poto	Manufactur	P.O. Box 1478		Product Type/General Information: Chemical Sterilant/Disinfectant Chemical Name: (active ingredient) 3.5% glutaraldehyde			
Product Name: EANICIDE ADVANCED (3.5% aqueous glutaraidehyse solutions.) CHEMTREC has been provided for use in medical emergencies involving this product. Call 1:800-424-9300 Date Prepared. October 20.0203 SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION BANICIDE ADVANCED contains the following hazardous ingredients at concentrations greater than 1.9%. \$ OSHA PEL ACGIH TLV OTHER LIMITS RECOMMENDED Outside Prepared. BANICIDE ADVANCED contains the following hazardous ingredients at carcinegras to potential by the National Toxicology Program (NTP). International Agency on Cancer (IARC) or OSHA, and present at a concentration greater than 0.1%. \$ 0.2ppm1 0.5ppm1 0.5ppm1 Via OSHA Permissible Exposure Level (PEL) for glutaraidehyde was invalidated in 1992 by court order. However, the PEL may remain will in some OSHA, approved state plots, and also control of Call 2** N/A N/A Vapor Pressure: 16.9 mm Hg Vapor Pressure: 16.9 mm Hg Vapor Pressure: 16.9 mm Hg Vapor Density: 1.1 (air = 1) Solubility (H)(C): Complete Appearance and Calor: A clear, slightly yellow liquid with typical addrived eods and added lemos cent. Odor Threshold: 0.4 pm, detectable (ACGH) Unusual Fire and Explosion Hazards: None Known SectION 4 - REA ND EXPLOSION HAZARD DATA Stability Stability: Stability Hazardous Decomposition Products: Thermal decomposition may expected to be violent. Avoid: Halame (Ph >10) and acide: (Ph > 3). Materials catalyze an aido-type condensation (scoth Fritz) word of exposition first-aid and or exaporation of H ₂ O. SECTION 4 - REACTIVITY HAZARD DATA Co	Phone Number (for information): 1-425-827-4694 Emergency Phone Number: 1-425-827-4694		Routes of entry: Inhalation <u>x</u> Skin/Eye <u>x</u> Ingestion <u>x</u> PRECAUTIONARY LABELING (HMIS Rating System)				
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ingredients at concentrations greater than 1.0%. CAS# 111-30-8 3.5% PEL TLV RECOMMENDED BANCIDE ADVANCED contains the following hazardous ingredients listed as carcinogens or potential by the National Toxicology Program (NTP), International Agency on Cancer (IARC) or OSHA, and present at a concentration greater than 0.1%. None 0.2ppm ⁻¹ 0.2ppm ⁻¹ 0.5ppm None CAS# NIA N/A N/A International Agency on Cancer (IARC) or OSHA, and present at a concentration greater than 0.1%. None N/A International Agency on Cancer (IARC) or OSHA, and present at a concentration greater than 0.1%. None N/A * ¹ The OSHA Permissible Exposure Level (PEL) for glutaraldehyde was invalidated in 1992 by court order. However, the PEL may remain valid in some OSHA approved state plants, and also can be enforced by lederal OSHA under Its General Duty Clause. Specific Gravity:1005 – 1.013 SecTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS Boiling Point. 100°C212°F Metting Point. N/A Vapor Pressure: 16.9 mm Hg Vapor Pressure: 16.9 mm Hg Metting Point. 100°C212°F Metting Point. 100°C212°F Metting Point. 100°C212°F Sobibility Holy, Complete Sighty yellow liquid with typical aldehyde do and addel enon scent. Unusual Fire and Explosion Hazards: None Known Special Fire Fighting Procedures: Self-Contained Breathing Apparatus (SCBA) and protective clothing should be worn when fighting chemical lines thatiliton z Skin: x Ingestion: x_Eye							
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medical conditions denerally Aggravated by Overexposure: See Above.	Medical Co	personnel. In Initiation persists, seek medical help. onditions Generally Aggravated by Overexposure: See	Above.				

BANICIDE® ADVANCED

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: None required if glutaraldehyde vapor levels are below the TLV. A full face respirator with organic vapor cartridges or SCBA should be available for emergencies.

Ventilation: BANICIDE ADVANCED should be used in closed containers with tight fitting lids. The working area should be large enough with ventilation necessary to keep the level of atmospheric glutaraldehyde below the Threshold Limit Valve (TLV). If the solution vapors are irritating to eyes and nose, the TLV is probably being exceeded, and additional ventilation may be necessary. A fume hood or self contained fume absorber may be appropriate for this purpose. Any ventilation should pull fumes away from worker and towards the floor.

Eye Protection: Safety glasses, goggles or face shield recommended when working with BANICIDE ADVANCED. An eye wash and full face respirator with organic vapor cartridges or half face respirator with gas proof goggles and organic vapor cartridges should be available situations.

Skin Protection: Nitrile gloves and chemical resistant gown or apron should be worn when working with BANICIDE ADVANCED. Rubber boots may be needed to contain large spills.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released: Wear suitable protective equipment, including nitrile gloves, chemically resistant gown or apron, and protective eyewear (safety glasses or shield). A full face respirator, or half-face respirator with gas proof goggles, both worn with organic vapor cartridges, is recommended for small spills. A respirator is essential for large spills, or if you experience discomfort watery eyes, nasal or respiratory irritation) due to inadequate ventilation. For small spills of 1 gallon or less, gather up a bucket, household ammonia, and a sponge or mop. Don protective equipment and mix approximately 1 cup of water in the bucket. Mop or sponge the ammonia mixture into the spill until thoroughly combined (about 2 minutes). Wipe or mop up resulting mixture and discard down the drain with a copious amount of water. Rinse bucket, mop or sponge with water, and give spill area a final wipe or mop with fresh water. Re-rinse all equipment, and allow spill area to dry. For larger spills of more than 1 gallon, remove people from immediate spill area, and isolate until cleaned up. Don protective equipment including a respirator with organic vapor cartridges. Contain spill with absorbent material, i.e. Towels. Add approximately 228 grams of sodium bisulfite powder per gallon of BANICIDE ADVANCED spilled (aqueous sodium hydroxide and ammonium will also neutralize glutaraldehyde)/ With a sponge, mix neutralizing chemical into spill, and allow 5 minutes for deactivation to occur. Discard resulting mixture according to your facility's waste disposal guidelines. Mop spill area with fresh water. Rinse out all equipment (bucket, mop, towels) with large amounts of water. If paper towels were used, dispose of in a tightly closed trash bag. Let spill area dry, and if possible increase ventilation. Once glutaraldehyde odor is below allowable levels (TLV), area may be released from isolation.

Waste Disposal Methods: Dispose of BANICIDE ADVANCED after 30 days of re-use, or the MEC Indicator shows the solution is below it's minimum effective concentration (1.8% w/v), which ever is sooner. This may be accomplished by pouring solution down the drain in accordance with state and local regulations. Flush with a large quantity of water. Do not reuse empty containers. Rinse thoroughly with water and dispose of in trash.

Precautions to be Taken in Handling and Storage: BANICIDE ADVANCED should be stored in its original sealed container at controlled room temperature (15°C/50° F to 30° C/85° F).

Precautionary Labeling: Avoid contact with eyes, prolonged and repeated contact with skin, and contamination with food.

SECTION 8 TRANSPORTATION DATA & ADDITIONAL INFORMATION

Proper Shipping Name: 3.5% Glutaraldehyde Solution DOT (ground): Not Regulated IATA (air): Not Regulated IMO (ocean): Not Regulated Hazard Class: None Labels: None needed Packaging: None ID# None Special Instructions: None Reportable Quantity: None

SECTION 9 SPECIAL REQUIREMENTS

None