Material Safety Data Sheet

DATE OF ISSUE: June 29, 2009 ISSUED BY PASCAL

Product Name:	**Banicide® Plus**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Banicide® Plus
Product Use:	High level disinfecting and sterilizing solution
Company Name:	Pascal International, Inc.
Address:	2929 NE Northup Bellevue, Washington 98004
Emergency Tel.:	1-425-827-4694, 1-800-426-8051
Telephone:	1-425-827-4694, 1-800-426-8051
Fax:	1-425-827-6893

2. HAZARDS IDENTIFICATION

Acute & Chronic Hazards:	Irritating to skin. Contact with eyes causes damage. Ingestion may be toxic. Inhalation may cause low or mild irritation.
Risk Phrases:	R38: Irritating to skin. R25: Toxic if swallowed. R36: Irritating to eyes. R42: May cause sensitization by inhalation. R50: Very toxic to aquatic organisms.
Safety Phrases:	S24: Avoid contact with skin S37: Wear suitable gloves S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Entity (Components)	CAS No.	Proportion
Glutaraldehyde	111-30-8	3.4%

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If irritation persists seek medical attention.
Ingestion:	Do not induce vomiting. Give large amounts of water. Seek medical assistance.
Skin:	Wash well with soap and water for at least 15 minutes.

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Eye:	Flush well with water for at least 15 minutes. If irritation persists seek medical attention.
First Aid Facilities:	Seek Medical assistance for further treatment, observation and support if necessary.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Suitable extinguishing media for the surrounding fire should be used.
Specific Hazards:	None
Precautions in connection with fire:	NA

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Ventilate area well. Wear protective gloves and eye wear.
Clean Up Procedure:	For small spills: Wipe with sponge, mop or towel. Flush with large quantities of water. For large spills: Use glycine, ammonium carbonate, sodium bisulfite or dibasic ammonium phosphate to deactivate glutaraldehyde. Collect liquid and discard.

7. HANDLING AND STORAGE

Handling:	Use original container.
Storage:	Store in cool, well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	Not determined
Respiratory Protection:	Use in well ventilated area.
Eye Protection:	Safety glasses/goggles
Hand Protection:	Protective gloves – suggest butyl rubber, nitrile rubber, polyethylene or double gloved latex.
Engineering controls:	Standard room ventilation

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Activated solution is bluish-green.
Odor	Mild glutaraldehyde odor.

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pH	Unactivated: 3.2 – 4.3 Activated: 7.5 - 8.5
Vapor Pressure	Same as water.
Vapor Density	Same as water.
Boiling Point	212° F
Freezing / Melting Point	Not determined
Solubility in Water	100%
Specific Gravity	1.006
Flash Point	N/A
Flammability	N/A

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under ordinary conditions of use and storage
Conditions to Avoid:	Avoid high temperatures above 200° F. Avoid removal of water artificially raising temperature.
Incompatible Materials:	Acids or alkalines will neutralize active ingredient.
Hazardous Decomposition Products:	None known
Hazardous Reactions:	None known

11. TOXICOLOGICAL INFORMATION

Hazardous Ingredient:	Glutaraldehyde LD_{50} (orally) RAT: 99.8 mg/kg
Routes of Exposure:	Refer to Section 4 of MSDS

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Very toxic to aquatic organisms
Persistence and Degradability:	No information found

13. DISPOSAL CONSIDERATIONS

Disposal Method and Containers	Empty containers may be disposed of in waste containers. Do not reuse empty container. Wrap container and put in trash.
Special Precautions	Disposal should be carried out in compliance with federal, state and local regulations.

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14. TRANSPORT INFORMATION

Not a dangerous good.	Not regulated
Hazchem code:	None allocated

15. REGULATORY INFORMATION

Precautionary Phrases:	For professional in-office use only. Keep out of reach of children. Do not ingest.
Poison Schedule:	None allocated
AICS (Australia)	All ingredients are listed
Note:	Refer to applicable international, national and local regulations and provisions.

16. OTHER INFORMATION

Legal Disclaimer:	Information contained in this MSDS is based on data believed to be correct. This information does not purport to be all inclusive and shall be used only as a guide. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. In no event will the manufacturer or the distributor be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information.
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