



BioRESTORE

Biologic Treatment For Water Damage

Product Description

PRP BioRestore is the second step in a biologic treatment for water damage claims, especially black water. This product digests organic odours and soils into water and carbon dioxide, including those from fecal matter and urine.

PRP BioRestore uses the power of non-pathogenic spore strains and bio-based cleaning technology that is specifically engineered for water damage claims. PRP BioRESTORE is also designed for areas of heavy pet urine and soils from trauma and will work from the moment you arrive until enough water is removed during the cleaning process to limit the biological activity.

PRP BioRestore is applied during the wet stages of the drying phase of the water damage restoration process, to digest and remove any residual soil load that may be present. PRP BioRESTORE penetrates porous materials such as cinder blocks, spruce studs, sill plates and other hard to reach areas.

PRP BioRestore also eliminates the odours that may develop during or after the wet stages of the drying process. PRP Water Damage products keep working even after the contractor leaves. Conventional odour control is not required. Do not introduce any other cleaners or deodorizers while PRP Water Damage products are at work. PRP BioRESTORE's biological action digests wastes reducing solids, reducing organic load and reducing soil load that penetrates porous material.

DIRECTIONS

Ideally area should remain visibly wet with PRP BioRESTORE for at least one hour in order to allow greatest penetration and digestion of any organic load missed during physical cleaning stage, including the organic load not accessible to conventional restoration methods (inside cinder blocks, sill plates etc.)

Dilution Ratios:

Fill a 2-gallon (7.6 L) pump-up sprayer with 1 gallon (3.78 L) product and at least 1 gallon (3.78 L) of water. Apply until contained area is visibly wet.

Thoroughly wet all previously contaminated areas with diluted PRP BioRestore solution at a rate of 1 gallon (3.78 L) to 500 sq.ft.

Approximately 48 hours later, when the drying phase is complete, or nearly complete, apply Orderly neutral disinfectant (1:64 dilution – please refer to label) using a pump-up sprayer. Wet all surfaces for a contact time of 10 minutes to ensure complete disinfection.

Always work within the IICRC guidelines.

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **BIORESTORE**

WHMIS CODE: D2B

Product Use: *Biologically-based restoration treatment.*

Proper Shipping Name: N/A

Hazard Class: N/A

UN Number: N/A

HMIS

1	Health
0	Flammability
0	Reactivity
B	Personal

M-chem Technologies Inc.
1607 Derwent Way
Delta, BC V3M 6K8, Canada
Phone: (604) 526-5655

EMERGENCY PHONE

Canada: Canutec 613-996-6666
U.S.A.: Chemtrec 800-424-9300

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
NO HAZARDOUS INGREDIENTS - THIS FORMULATION CONTAINS NO REPORTABLE HAZARDOUS INGREDIENTS LISTED UNDER WHMIS				
OTHER INGREDIENTS:				
Viable Bacterial Cultures	N/A	3-7	N/A	N/A

SECTION 3 – PHYSICAL DATA

Color and Odor: Cloudy tan, mild odour	Boiling Point: N/D	Vapor Pressure (mm HG): N/D	pH: 7.0 +/- 0.5
Physical State: Liquid.	Melting Point: N/A	Vapor Density: N/D	Specific Gravity: 1.00 @ 20°C
Coeff. Water/Oil Dist: Greater than 1.0	Evaporation Rate: N/D	Solubility in Water: Soluble	Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC)	Sensitivity to Mechanical Impact: None.	Extinguishing Media: Not flammable.
Flammable Limits: None known.	Sensitivity to Static Discharge: None.	Auto ignition Temperature: None known.
Unusual Fire and Explosion Hazards: None.	Conditions of Flammability: None.	
Hazardous Combustion Products: None known.		
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.		

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Hazardous Polymerization: Will not Occur.
Incompatibility (material to avoid): None known.
Hazardous Decomposition Products: None known.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.	Routes of Entry: Skin and eyes contact, ingestion.
Irritancy of Product: May be irritating to skin and eyes.	Carcinogenicity: None known.
Sensitization: None known.	Mutagenicity: None known.
Teratogenicity: None known.	Reproductive Toxicity: None known.
Name of Toxicological Synergistic Product: None known.	
Effects of Chronic Exposure: Dermatitis and skin sensitization may occur.	
Effects of Acute Exposure to Product: May be irritating to eyes and skin.	

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, if product is misted or sprayed, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Use rubber or plastic gloves when handling the concentrated product.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature between 2-30°C and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 07/04/11
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE