



MATERIAL SAFETY DATA SHEET

ProSpec Moisture Guard Max Part B (Hardener)

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: ProSpec Moisture Guard Max Part B (Hardener)
Product No.: 65510019
Product Use: Various.
Manufacturer/Supplier: Bonsal American, Inc.
8201 Arrowridge Blvd.
Charlotte, NC
28273
Phone Number: (704) 529-4207
Emergency Phone: (704) 529-4207
Date of Preparation: March 29, 2012

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER

TOXIC BY INHALATION. CORROSIVE MATERIAL - CAUSES BURNS. IRRITATING TO EYES. IRRITATING TO SKIN. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: Causes burns.

Skin: Causes burns. May cause sensitization by skin contact.

Ingestion: Causes burns. May be harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.

Inhalation: Toxic by inhalation. May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Severe irritation, redness and pain. Serious skin burns. Abdominal pain. Shock or collapse. May cause burning of mouth, throat, and esophagus. Sore throat. Cough. Laboured breathing. Shortness of breath.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
m-phenylenebis(methylamine)	1477-55-0	15 - 30
Benzyl alcohol	100-51-6	15 - 30

Section 4: FIRST AID MEASURES

- Eye Contact:** Flush with water for at least 15 minutes while holding the eyelids apart; get medical attention immediately.
- Skin Contact:** Flush with large amounts of water immediately while removing clothing. Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Inhalation:** Move person to fresh air. If unconscious administer artificial respiration; if breathing is difficult, provide oxygen. Get medical attention
- Ingestion:** Do not induce vomiting. Rinse mouth out with water then drink some water. Guard against aspiration that may occur during spontaneous vomiting by keeping head below hips. Get medical attention immediately. Never give anything by mouth to an unconscious person.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Not flammable by WHMIS/OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Water fog, carbon dioxide, dry chemical or alcohol foam.
 - Unsuitable Extinguishing Media:** Not available.
- Products of Combustion:** Oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
 - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** May generate toxic or irritating combustion products. Water or water fog may cause frothing which can be violent, especially if sprayed into containers of hot or burning liquid. Delayed lung damage may occur after exposure to combustion products. Firefighters should wear full protective clothing including self contained breathing apparatus. Product residue may be flammable.

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Restrict access to the area. Ensure clean-up is conducted by trained personnel only. Wear adequate protective clothing and equipment. Clean-up personnel need protection against contact with skin and eyes, as well as against inhalation of dust (see Section 8). Prevent accidental contact between the spilled product and water, and avoid generating dust. Eliminate sources of ignition.
- Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
- Methods for Containment:** Stop the leak, if possible. Ventilate the space involved. Reduce vapor spreading with a water spray. Shut off or remove all sources. Construct a dike to prevent spreading.

Methods for Clean-Up: If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Flush area with water spray. Clean-up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck. Provide ventilation.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. Do not use in confined or poorly ventilated areas. Personal protective equipment must be worn during handling activities including maintenance or repair of equipment containing the material. Wash thoroughly after handling. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Store in a cool, dry area with adequate ventilation; keep away from heat and all sources of ignition; keep containers closed when not in use. Do not store at temperatures above 49 °C / 120 °F. Unused chemicals should not be returned to the container.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
m-phenylenebis(methylamine)	Not available.	Not available.
Benzyl alcohol	Not available.	Not available.

Engineering Controls: Ventilation through local exhaust if general ventilation is inadequate; provide maximum ventilation in enclosed areas.

Personal Protective Equipment:

Eye/Face Protection: Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated apparel.

Hand Protection: Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.

Skin and Body Protection: Prevent contact with shoes and clothing; use rubber apron and overshoes.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	Translucent Yellow.
Odour:	Amine
Odour Threshold:	Not available.
Physical State:	Liquid.

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pH:	Alkaline
Viscosity:	Not available.
Freezing Point:	Not available.
Boiling Point:	> 200 °C (> 392 °F)
Flash Point:	> 93 °C (> 199.4 °F)
Evaporation Rate:	< 1 (BUDAC = 1)
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	< 1.06 MMHG
Vapor Density:	> 1
Specific Gravity:	>1.01
Solubility in Water:	Partial.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	Not available.
Percent Volatile, wt. %:	Not available.
VOC content, wt. %:	Not available.

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Acids, oxidizing agents, epoxies, isocyanates.

Hazardous Decomposition Products: Thermal decomposition will generate carbon monoxide, carbon dioxide and oxides of nitrogen.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD₅₀ (oral)	LC₅₀
m-phenylenebis(methylamine)	930 mg/kg, rat	700 ppm 1hr, rat
Benzyl alcohol	1230 mg/kg, rat	8.8 mg/L 4hr, rat

Eye: Causes burns. May cause serious chemical burns. Severe irritation, redness and pain.

Skin: Causes burns. May cause sensitization by skin contact. Redness. Pain. Blisters. Serious skin burns.

Ingestion: Causes burns. May be harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed. Abdominal pain. Burning sensation. Shock or collapse. May cause burning of mouth, throat, and esophagus.

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Inhalation: Toxic by inhalation. May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis. Burning sensation. Sore throat. Cough. Laboured breathing. Shortness of breath.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS/OSHA criteria.

Carcinogenicity: Not hazardous by WHMIS/OSHA criteria.

Ingredient

Chemical Listed as Carcinogen or Potential Carcinogen *

m-phenylenebis(methylamine)

Not listed.

Benzyl alcohol

Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

UN3267, Corrosive Liquid, Basic, Organic N.O.S. (Aliphatic Amine), Class 8 PG III
ORM-D ≤ 5 L

TDG Classification

UN3267, Corrosive Liquid, Basic, Organic N.O.S. (Aliphatic Amine), Class 8, PG III
Limited Quantity ≤ 5 L

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
m-phenylenebis(methylamine)	Not listed.	Not listed.	Not listed.	Not listed.
Benzyl alcohol	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
m-phenylenebis(methylamine)	DSL	Yes.
Benzyl alcohol	DSL	Yes.

HMIS - Hazardous Materials Identification System

Health - 3* **Flammability - 1** **Physical Hazard - 0** **PPE – B**

NFPA - National Fire Protection Association:

Health - 3 **Fire - 1** **Reactivity - 0**

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):

- Class D1A - Very Toxic Material
- Class D2B - Skin Sensitization
- Class E - Corrosive Material

WHMIS Hazard Symbols:



SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**OSHA (O)** Occupational Safety and Health Administration.**ACGIH (G)** American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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