


# POWER-FOAM BRAVO

|   |   |  |                    |  |
|---|---|--|--------------------|--|
| National Fire Protection Association (NFPA) | Fire Hazard   | Hazardous Material Information System (HMIS) | Health             | 3  |
|   | Health  |  | 3                  | Reactivity   |
| Protective Clothing                         |  |  | Emergency Overview | White. Aerosol. See Section 9. DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE. |

| Section 1. Chemical Product and Company Identification  |   |                      |                |
|---|---|----------------------|----------------|
| Product Name  | <b>POWER-FOAM BRAVO</b>   | Code                 | 4640           |
| Product Use   | Industrial/Institutional: Floor cleaning.   | PMS#                 | 3043911        |
| MSDS#   | 114640002   | Validation Date      | 2/24/2003      |
| U.S. Headquarters<br>Johnson Wax Professional<br>8310 16th Street<br>Sturtevant, Wisconsin 53177-0902<br>Phone: (888) 352-2249<br>MSDS Internet Address:<br>www.jwp.com | Canadian Headquarters<br>Johnson Wax Professional<br>100 Matheson Blvd. East, Suite 203<br>Mississauga, Ontario L4Z 2G7<br>Phone: (905) 755-0913 or<br>(888) 746-5971 | Print Date           | 2/24/2003      |
|   |   | Supersedes           | 2/24/2003.     |
|   |   | In Case of Emergency | (800) 851-7145 |

| Section 2. Composition and Information on Ingredients |           |             |   |   |
|---|-----------|-------------|---|---|
| Ingredients   | CAS #     | % by Weight | Exposure Limits   | LC50/LD50   |
| Alkylphenoxy Polyethoxyethano                         | 9016-45-9 | 1-5         | Not available.  | ORAL (LD50): Acute: 1310 mg/kg [Rat].<br>ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].   |
| Monoethanolamine                                      | 141-43-5  | 1-5         | <b>OSHA (United States).</b><br>TWA: 8 mg/m <sup>3</sup><br>STEL: 15 mg/m <sup>3</sup><br><b>ACGIH (United States).</b><br>TWA: 7.5 mg/m <sup>3</sup><br>STEL: 15 mg/m <sup>3</sup> |   |
| Sodium Hydroxide                                      | 1310-73-2 | 1-5         | <b>OSHA (United States).</b><br>CEIL: 2 mg/m <sup>3</sup><br><b>ACGIH (United States).</b><br>STEL: 2 mg/m <sup>3</sup>   | Not available.  |
| Isobutane   | 75-28-5   | 5-10        | Not available.  | VAPOR (LC50): Acute: 0.0057 ppm 0.25 hour(s) [Rat].<br>ORAL (LD50): Acute: 506 mg/kg [Rat]. DERMAL (LD50): Acute: 406 mg/kg [Rabbit]. VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat]. |
| 2-Butoxyethanol                                       | 111-76-2  | 5-10        | <b>OSHA (United States).</b><br>TWA: 120 mg/m <sup>3</sup><br><b>ACGIH (United States).</b><br>TWA: 97 mg/m <sup>3</sup>  |   |
| Water   | 7732-18-5 | 60-100      | Not available.  | Not available.  |

| Section 3. Hazards Identification              |  |
|--|--|
| Routes of Entry                                | Inhalation. Skin contact. Eye contact.   |
| Potential Acute Health Effects                 | <p><b>Eyes</b> Corrosive. May cause permanent damage including blindness.</p> <p><b>Skin</b> Corrosive. May cause permanent damage.</p> <p><b>Inhalation</b> May be irritating to nose, throat, and respiratory tract.</p> <p><b>Ingestion</b> Corrosive. May cause burns to mouth, throat, and stomach.</p> |
| Medical Conditions Aggravated by Overexposure: | Persons with pre-existing skin disorders may be more susceptible to irritating effects.  |
| See Toxicological Information (section 11)     |  |

**Section 4. First Aid Measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.                          |
| <b>Skin Contact</b> | Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.   |
| <b>Inhalation</b>   | If breathing is difficult: Remove to fresh air. Get medical attention.   |
| <b>Ingestion</b>    | Do not induce vomiting! Immediately drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately. |

**Section 5. Fire Fighting Measures**

|  |   |
|--|---|
| <b>Flammability of the Product</b>                   | NFPA 30B Level 1 Aerosol.   |
| <b>Flash Points</b>                                  | Closed cup: <-7°C (19.4°F).(propellant)   |
| <b>Products of Combustion</b>                        | None known.   |
| <b>Fire Fighting Media and Instructions</b>          | Use water spray to keep fire-exposed containers cool. Dry chemical, carbon dioxide. Fight fire from protected location or maximum possible distance. In case of fire and/or explosion do not breathe fumes. |
| <b>Protective Clothing (Fire)</b>                    | Put on appropriate personal protective equipment (see Section 8).   |
| <b>Special Remarks on Fire and Explosion Hazards</b> | Aerosol product - Containers may rocket or explode in heat of fire  |

**Section 6. Accidental Release Measures**

|   |  |
|---|--|
| <b>Personal Precautions</b>                           | Put on appropriate personal protective equipment (see Section 8).  |
| <b>Environmental Precautions and Clean-up Methods</b> | In the event of major spillage: Use appropriate containment to avoid environmental contamination. Sweep or scrape up material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up. |

**Section 7. Handling and Storage**

|                 |  |
|-----------------|--|
| <b>Handling</b> | Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Use only in well-ventilated areas. Do not puncture or incinerate. FOR INDUSTRIAL USE ONLY |
| <b>Storage</b>  | Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. Keep away from heat, sparks and flame. Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. KEEP OUT OF REACH OF CHILDREN.  |

**Section 8. Exposure Controls/Personal Protection**

|                             |   |
|-----------------------------|---|
| <b>Engineering Controls</b> | Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained. |
| <b>Personal Protection</b>  |   |
| <i>Eyes</i>                 | Chemical splash goggles.  |
| <i>Hands</i>                | Chemical resistant gloves. Includes: Gloves, elbow length butyl rubber.   |
| <i>Respiratory</i>          | No special protective clothing is required.   |
| <i>Feet</i>                 | Protective footwear.  |
| <i>Body</i>                 | If major exposure is possible, wear suitable protective clothing and footwear.  |

**Section 9. Physical and Chemical Properties**

|                                      |                |
|--------------------------------------|----------------|
| <b>Physical State and Appearance</b> | Solid. (Foam.) |
| <b>Odor</b>                          | Mild.          |
| <b>Color</b>                         | White.         |
| <b>pH</b>                            | 13 [Basic.]    |
| <b>Specific Gravity</b>              | 1              |
| <b>VOC</b>                           | 13.1 ±         |

Solubility in water Complete.

**Section 10. Stability and Reactivity**

|   |   |
|---|---|
| Stability and Reactivity                | The product is stable.  |
| Conditions of Instability               | Excessive heat.   |
| Incompatibility with Various Substances | Highly reactive with metals.<br>Reactive with acids.          |
| Hazardous Decomposition Products        | When exposed to fire: Produces normal products of combustion. |
| Hazardous Polymerization                | Will not occur.   |

**Section 11. Toxicological Information**

|                             |  |
|-----------------------------|--|
| Acute toxicity              | ORAL (LD50) Estimated to be greater than 5000 mg/kg (rat). |
| Effects of Chronic Exposure | None known.  |
| Other Toxic Effects         | None known.  |

**Section 12. Ecological Information**

Not available.

**Section 13. Disposal Considerations**

|                   |   |
|-------------------|---|
| Waste Information | If possible, recycle empty aerosol cans to the nearest steel recycling center. Use up package or give to someone who can. Dispose of according to all federal, state and local regulations. |
|-------------------|---|

**Section 14. Transport Information**

|                          |   |
|--------------------------|---|
| DOT Classification       |   |
| DOT Proper Shipping Name | Please refer to the Bill of Lading/receiving documents for up to date shipping information. (2-Butoxyethanol) |
| TDG Classification       |   |
| TDG Proper Shipping Name | Please refer to the Bill of Lading/receiving documents for up to date shipping information. (2-Butoxyethanol) |
| TDG Class                |   |

**Section 15. Regulatory Information**

Reporting in this section is based on ingredients disclosed in Section 2

US Regulations

**Federal** Clean Water Act (CWA) 311: Sodium hydroxide  
Clean air act (CAA) 112 regulated flammable substances: Isobutane  
CERCLA: Hazardous substances.: Sodium hydroxide, 2-Butoxyethanol, Isobutane

**State** New Jersey spill list: Sodium hydroxide, 2-Butoxyethanol  
New Jersey: Monoethanolamine, Sodium hydroxide, 2-Butoxyethanol, Isobutane  
Massachusetts spill list: Monoethanolamine, Sodium hydroxide, 2-Butoxyethanol, Isobutane  
Massachusetts RTK: Monoethanolamine, Sodium hydroxide, 2-Butoxyethanol, Isobutane  
Pennsylvania RTK: Monoethanolamine, Sodium hydroxide, 2-Butoxyethanol, Isobutane

This product is not subject to the reporting requirements under California's Proposition 65.

**Registered Product Information** Not applicable.

Canadian Regulations

**Canadian NPRI** Canadian NPRI: Alkylphenoxy Polyethoxyethanol, 2-Butoxyethanol.

**WHMIS Classification** CLASS A: Compressed gas.  
CLASS D-2B: Material causing other toxic effects (TOXIC).  
CLASS E: Corrosive solid.

WHMIS Icon



Registered Product Information Not applicable.

Chemical Inventory Status All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory

**Section 16. Other Information**

Other Special Considerations Not available.

Version 0.02

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