

MATERIAL SAFETY DATA SHEET

JWX04640

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MSDS # 114640002

**POWER-FOAM BRAVO**

Date Issued: 09Dec1997

Supersedes: 15Dec1994

US MANUFACTURER:  
S.C. Johnson Commercial Markets, Inc.  
S.C. Johnson Professional  
8310 16th Street  
Sturtevant, Wisconsin 53177-0902  
Phone: (800) 725-6737  
MSDS Internet Address:  
www.scjprofessional.com  
Emergency Phone: (800) 851-7145

CANADIAN MANUFACTURER:  
S.C. Johnson Professional, Inc.  
Phone: (519) 756-7900  
1 Webster Street, Suite 100  
Brantford, Ontario N3T 5R1  
Transportation Emergency:  
CANUTEC (collect) (613) 996-6666  
Emergency Phone: (800) 851-7145

HAZARD RATING	HMIS	HAZARD	NFPA	DISTRIBUTED IN CANADA BY:
4-Very High	3	Health	3	S.C. Johnson Professional, Inc.
3-High	4	Flammability	4	Phone: (519) 758-6611
2-Moderate	0	Reactivity	0	1 Webster Street, Suite 100
1-Slight		Special		Brantford, Ontario N3T 5R1
0-Insignificant				

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... POWER-FOAM BRAVO  
REASON FOR CHANGE..... No significant changes.  
PRODUCT USE..... Floor care

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
[PA NJ MA] Isobutane (CAS#75-28-5).....	5-10	NOT ESTABLISHED
[PA NJ MA SARA] 2-Butoxyethanol..... (CAS#111-76-2)	5-10	25 ppm ACGIH/OSHA TWA (SKIN) LD50: 560-3,000 mg/kg (oral-rat) LC50: 500 ppm (inhalation-rat) 4 hrs.
[PA NJ MA] Sodium Hydroxide (CAS#1310-73-2)..	1-5	2 mg/m <sup>3</sup> ACGIH/OSHA CEILING LD50: 140-340 mg/kg (oral-rat) LC50: >40 mg/m <sup>3</sup> (inhalation-rat) 1 hr.
[PA NJ MA] Monoethanolamine (CAS#141-43-5)...	1-5	3 ppm ACGIH/OSHA TWA , 6 ppm ACGIH/OSHA STEL LD50: 2,050 mg/kg (oral-rat)
Alkylphenoxy Polyethoxyethanol..... (CAS#9016-45-9)	1-5	NOT ESTABLISHED LD50: 2000-5000 mg/kg (oral-rat)
Water (CAS#7732-18-5).....	70-85	NOT ESTABLISHED

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Eye contact. Skin contact.  
EFFECTS OF ACUTE EXPOSURE:  
EYE..... Corrosive: May cause: Permanent eye damage.  
SKIN..... Corrosive: May cause: Chemical burns.  
INHALATION..... May cause: Irritation of the respiratory tract.  
INGESTION..... May be: Harmful if swallowed. Corrosive to mouth and digestive tract.  
MEDICAL CONDITIONS..... Persons with pre-existing skin disorders may be more susceptible  
GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE to irritating effects.

Distributed By: **KEL-SAN, INC.**  
5109 NATIONAL DR., KNOXVILLE, TN 37914

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SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Flush immediately with plenty of water for at least 15 to 20 minutes. Seek immediate medical attention.

SKIN CONTACT..... Rinse with plenty of water.

INHALATION..... If breathing is affected, get medical attention. Remove to fresh air.

INGESTION..... Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Do not administer anything by mouth to an unconscious person. Seek immediate medical attention.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)

FLAMMABLE LIMITS..... Not available.

AUTOIGNITION..... Not available.

TEMPERATURE

EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.

SPECIAL FIREFIGHTING... Normal fire fighting procedure may be used. Cool and use caution PROCEDURES when approaching or handling fire-exposed containers.

UNUSUAL FIRE AND..... Corrosive Material (See Sections 8 and 10). Container may burst EXPLOSION HAZARDS in heat of fire.

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Eliminate all ignition sources. Rinse affected area thoroughly CASE MATERIAL IS with water. RELEASED OR SPILLED

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY..... DANGER: CORROSIVE: May burn skin and damage eyes. Harmful if INFORMATION swallowed. Contains: sodium hydroxide, alkanolamine. Avoid breathing spray mist or vapors. Wear rubber gloves and adequate eye protection. CONTENTS UNDER PRESSURE. Do not use near open fire, flames or heat. Do not puncture or incinerate. Do not store at temperatures above 120 °F (50 °C).

OTHER HANDLING AND..... Keep from freezing. Keep out of reach of children. STORAGE CONDITIONS

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. If ventilation is adequate, respiratory protection not required. VENTILATION..... General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.

PROTECTIVE GLOVES..... Long rubber gloves.

EYE PROTECTION..... Eye protection not required unless contact with undiluted product is possible.

OTHER PROTECTIVE..... If major exposure is possible to eyes/skin, wear/use appropriate MEASURES protective equipment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... White

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

PRODUCT STATE..... Foam.  
 ODOR..... Mild  
 pH..... 13.0 min  
 ODOR THRESHOLD..... Not available.  
 SOLUBILITY IN WATER.... Complete  
 SPECIFIC GRAVITY..... 1.0  
 (H2O=1)  
 VAPOR DENSITY (AIR=1).. Not available.  
 EVAPORATION RATE (BUTYL ACETATE=1) Not applicable.  
 VAPOR PRESSURE (mm HG). Not available.  
 BOILING POINT..... Not available.  
 FREEZING POINT..... Not available.  
 COEFFICIENT OF..... Not available.  
 WATER/OIL  
 PERCENT VOLATILE BY.... Not applicable.  
 VOLUME (%)  
 VOLATILE ORGANIC..... Glycol Ether. Hydrocarbon propellant  
 COMPOUND (VOC)  
 THEORETICAL VOC..... 1.31  
 (LB/GAL)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY..... Stable  
 STABILITY - CONDITIONS. None known.  
 TO AVOID  
 INCOMPATIBILITY..... Strong acids (eg., muriatic acid). (e.g., zinc, aluminum) Copper and its alloys. Tin.  
 HAZARDOUS DECOMPOSITION PRODUCTS When exposed to fire: Produces normal products of combustion.  
 HAZARDOUS..... Will not occur.  
 POLYMERIZATION  
 HAZARDOUS..... None known.  
 POLYMERIZATION -  
 CONDITIONS TO AVOID

SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3)

LD50 (ACUTE ORAL TOX).. Estimated to be greater than 5000 mg/kg (rats).  
 LD50 (ACUTE DERMAL TOX) Not available.  
 LC50 (ACUTE INHALATION TOX) Not available.  
 EFFECTS OF CHRONIC..... None known.  
 EXPOSURE  
 SENSITIZATION..... None known.  
 CARCINOGENICITY..... None known.  
 REPRODUCTIVE TOXICITY.. None known.  
 TERATOGENICITY..... None known.  
 MUTAGENICITY..... None known.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA..... Not available.

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SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION..... If possible, recycle empty aerosol can to nearest steel recycling center. Use up package or give to someone who can.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT INFORMATION..... Aerosols, 2.1 UN 1950 Ltd. Qty.
CANADIAN SHIPPING NAME. AEROSOLS Limited Quantity
TDG CLASSIFICATION..... 2.2, (8)
PIN/NIP..... UN 1950
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Limited Quantity

SECTION 15 - REGULATORY INFORMATION

WHMIS CLASSIFICATION... A; D,2B; E

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

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65. These ingredients from Section 2 are subject to the following reporting requirements:

- PA - The Pennsylvania Hazardous Substance List
NJ - The New Jersey Right to Know Hazardous Substance List
MA - The Massachusetts Hazardous Substance List
SARA - The Superfund Amendments and Reauthorization Act of 1986 Title III, Section 313 and 40 CFR Part 372

SECTION 16 - OTHER INFORMATION

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.
EPA REGISTRATION #..... Not applicable.

PREPARATION INFORMATION

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1 (Manufacturer) for contact information.

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