

07-2006

MATERIAL SAFETY DATA SHEET

JWX04638

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MSDS # 114641001

BRAVO(r) 1500+

Date Issued: 19Dec1996

Supersedes: 16Jun1995

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	NEPA	DISTRIBUTED IN CANADA BY:
4-Very High	3	Health	3	S.C. Johnson Professional, Inc.
3-High	0	Flammability	0	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..... BRAVO(r) 1500+
 REASON FOR CHANGE..... Section 1. Section 3, Section 4. Section 7. Section 8.
 PRODUCT USE..... Industrial/Institutional: Floor care

UPC	SCJ CODE	QUANTITY	US SIZE	CANADIAN SIZE
46500 04641	4641	1	5 GAL	18.9 L
46500 04642	4642	0		
46500 04639	4639	4	1 GAL	3.78 L
46500 04638	4638	1	5 GAL	18.9 L

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
[PA NJ MA] Sodium Hydroxide (CAS#1310-73-2) ..	1-3	2 mg/m ³ ACGIH/OSHA CEILING LD50: 140-340 mg/kg (oral-rat) LC50: >40 mg/m ³ (inhalation-rat) 1 hr.
Sodium Xylene Sulfonate (CAS#1300-72-7)	1-5	NOT ESTABLISHED LD50: 2000 mg/kg (oral-rat)
[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)
[PA NJ MA SARA] 2-Butoxyethanol..... (CAS#111-76-2)	15-20	25 ppm ACGIH/OSHA TWA (SKIN) LD50: 560-3,000 mg/kg (oral-rat) LC50: 500 ppm (inhalation-rat) 4 hrs.
Water (CAS#7732-18-5)	70-80	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 and may cause permanent damage including blindness.
 SKIN..... Corrosive and may cause permanent damage.

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

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

INHALATION.....	May cause irritation or corrosive effects to nose, throat and respiratory tract.
INGESTION.....	Corrosive and may cause permanent damage to mouth, throat and stomach.
MEDICAL CONDITIONS.....	None known.
GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE	

----- **SECTION 4 - FIRST AID MEASURES** -----

EYE CONTACT.....	Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
SKIN CONTACT.....	Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention.
INHALATION.....	If breathing is affected, remove to fresh air. Get medical attention.
INGESTION.....	Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Do not administer anything by mouth to an unconscious person. Get medical attention immediately.

----- **SECTION 5 - FIRE AND EXPLOSION INFORMATION** -----

FLASH POINT.....	Not applicable.
FLAMMABLE LIMITS.....	Not applicable.
AUTOIGNITION.....	Not applicable.
TEMPERATURE EXTINGUISHING MEDIA....	Foam. CO2. Dry chemical. Water fog.
SPECIAL FIREFIGHTING... PROCEDURES	Normal fire fighting procedure may be used. Cool and use caution when approaching or handling fire-exposed containers.
UNUSUAL FIRE AND..... EXPLOSION HAZARDS	Corrosive Material (See Sections 8 and 10). Vapors may accumulate in confined spaces (e.g., pits, sumps, sewers) and inadequately ventilated areas.

----- **SECTION 6 - PREVENTIVE RELEASE MEASURES** -----

STEPS TO BE TAKEN IN... CASE MATERIAL IS RELEASED OR SPILLED	Dike large spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear/use appropriate protective equipment.
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----- **SECTION 7 - HANDLING AND STORAGE** -----

PRECAUTIONARY..... INFORMATION	DANGER: CORROSIVE: CONCENTRATE CAUSES EYE AND SKIN BURNS. Avoid contact with skin, eyes and clothing. HARMFUL OR FATAL IF SWALLOWED. Do not taste or swallow. Avoid breathing vapor. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.
OTHER HANDLING AND..... STORAGE CONDITIONS	Wash thoroughly after handling. Thoroughly clean footwear and clothing before reuse. Keep container closed. Use only with adequate ventilation.

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SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. If mists/vapors are not adequately controlled by ventilation, use: NIOSH/OSHA approved Dust/mist respirator.
 VENTILATION..... General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.
 PROTECTIVE GLOVES..... Neoprene.
 EYE PROTECTION..... Chemical splash-proof goggles.
 OTHER PROTECTIVE MEASURES..... Protective footwear.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR..... Clear
 PRODUCT STATE..... Liquid.
 ODOR..... Characteristic
 pH..... > 13
 ODOR THRESHOLD..... Not available.
 SOLUBILITY IN WATER.... Complete
 SPECIFIC GRAVITY..... 1.00
 (H2O=1)
 VAPOR DENSITY (AIR=1).. Not available.
 EVAPORATION RATE (BUTYL ACETATE=1) Not available.
 VAPOR PRESSURE (mm HG).. Not available.
 BOILING POINT..... 212°F (100°C)
 FREEZING POINT..... 3°F (-16°C)
 COEFFICIENT OF..... Not available.
 WATER/OIL
 PERCENT VOLATILE BY.... Not available.
 VOLUME (%)
 VOLATILE ORGANIC..... Monoethanolamine. Glycol Ether.
 COMPOUND (VOC)
 THEORETICAL VOC..... 1.8
 (LB/GAL)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY..... Stable
 STABILITY - CONDITIONS TO AVOID None known.
 INCOMPATIBILITY..... Strong acids (eg., muriatic acid).
 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) .. Corrosive

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----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) (continued) -----

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.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... Disposal of undiluted product is regulated under environmental
INFORMATION and transportation laws as a corrosive waste.

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Corrosive liquids, N.O.S., (Sodium Hydroxide Monoethanolamine),
8, UN 1760, PG III.
CANADIAN SHIPPING NAME..... CORROSIVE LIQUIDS, N.O.S. (Sodium Hydroxide, Monoethanolamine)
TDG CLASSIFICATION..... 8
PIN/NIP..... UN 1760
PACKING GROUP..... III
EXEMPTION NAME..... Not applicable.

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... 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

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----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. Use as directed.
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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