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#31681+31683

MATERIAL SAFETY DATA SHEET

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STEP-OFF®

Date Issued: 19Dec1996

Supersedes: 04Dec1996

MSDS # 114000003

US MANUFACTURER:
B.C. Johnson & Son, Inc.
Phone: (800) 725-6717
Belling, Wisconsin 53403-2236
Emergency Phone: (800) 228-5635 Ext. 092
International
Emergency Phone: (612) 221-3999 Ext. 092

CANADIAN MANUFACTURER:
B.C. Johnson and Son, Limited
Phone: (519) 756-7900
1 Webster Street
Bramford, Ontario N7Y 5R1
Transportation Emergency: (613) 996-6666
CANOTEC (collect) (800) 228-5635 Ext. 092
Poison Control:

HAZARD RATINGS: HMIS HAZARD NFPA DISTRIBUTED IN CANADA BY:
4-Very High 3 Health 3 G.C. Johnson and Son, Limited
3-High 0 Flammability 0 Phone: (519) 756-6611
2-Moderate 0 Reactivity 0 Bramford, Ontario N7Y 5R1
1-Slight Special
0-Insignificant

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: STEP-OFF®
SECTION 1
REASON FOR CHANGE: Section 1
PRODUCT USE: Industrial/Institutional; Floor care

UNPC	SCJ CODE	QUANTITY	US SIZE	CANADIAN SIZE
46500 04003	4003	1	5 GAL.	16.9 L
46500 04004	4004	1	55 GAL.	
46500 04005	4005	1	55 GAL.	
46500 04006	4006	4	1 GAL.	3.78 L
46500 04007	4007	1	5 GAL.	18.9 L

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT	EXPOSURE LIMIT/TOXICITY
Sodium Hydroxide (CAS# 1310-73-2)	1-5	2 mg/m ³ ACQTH/OSHA CEILING 1250; 140-340 mg/kg (oral-rat) LC50: >40 mg/kg (inhalation-rat) 1 hr.
Sodium Silicate (CAS# 1344-09-8)	1-5	NOT ESTABLISHED 1,150 mg/kg (oral-rat)
Nonoethanolamine (CAS# 141-43-5)	1-5	3 ppm ACQTH/OSHA TWA, 6 ppm ACQTH/OSHA STEL 1250; 3,050 mg/kg (oral-rat)
Water (CAS# 7732-18-5)	80-90	NOT ESTABLISHED

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

BOOTS (S) OF ENTRY: Eye contact. Skin contact.
EFFECTS OF ACUTE EXPOSURE: Corrosive and may cause permanent damage including blindness.
SKIN: Corrosive and may cause permanent damage.
SKIN: May cause irritation or corrosive effects to nose, throat and
INHALATION: respiratory tract.
INHALATION: Corrosive and may cause permanent damage to mouth, throat and
stomach.
MEDICAL CONDITIONS: None known.
GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE

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SECTION 4 - FIRST AID MEASURES

IF IN 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 immediately.
IF BREATHING IS AFFECTED: Remove to fresh air. Get medical attention immediately.
IF SWALLOWED: 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 available.
AUTOIGNITION: Not applicable.
TEMPERATURE: Not applicable.
Hazardous decomposition: None.
SPECIAL PRECAUTIONS: None.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF RELEASE: Absorb with oil-dri or similar inert material. Sweep or scrape up and contain. Rinse affected area thoroughly with water. Wear/use appropriate protective equipment.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY STATEMENTS: DANGER: CORROSIVE; CONCENTRATES 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: Wash thoroughly after handling. Thoroughly clean footwear and clothing before reuse. Keep container closed. Use only with adequate ventilation.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If mist/vapors are not adequately controlled by ventilation, use: NIOSH/OSHA approved dust/mist respirator.
VENTILATION: General room ventilation is normally adequate. Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
PROTECTIVE GLOVES: Neoprene.
EYE PROTECTION: Chemical splash-proof goggles.
OTHER PROTECTIVE MEASURES: Chemical splash-proof goggles.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
COLOR: Straw-colored
PRODUCT STATE: Liquid.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

ODOR..... Mild
 PH..... 12.5 min.
 DPOB THRESHOLD..... Not available.
 SOLUBILITY IN WATER..... Complete
 SPECIFIC GRAVITY..... 1.06
 (H2O-1)
 VAPOR DENSITY (AIR=1)..... Not available.
 EVAPORATION RATE (BOTTL)..... Not available.
 ACETATE-1)
 VAPOR PRESSURE (mm Hg)..... Not available.
 BOILING POINT..... 212°F (100°C)
 FREEZING POINT..... Not available.
 COEFFICIENT OF..... Not available.
 WATER/OIL..... Not available.
 PERCENT VOLATILE BY..... Not available.
 VOLUME (%)
 VOLATILE ORGANIC..... Monochloroamine
 COMPOUND (VOC)
 THEORETICAL VOC..... 0.266 lb/gal
 (lb/gal)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY..... Stable
 TO AVOID..... None known.
 INCOMPATIBILITY..... Strong acids (eg. muriatic acid). Strong oxidizing materials (e.g. liquid chlorine). Avoid contact with non ferrous metals.
 HAZARDOUS DECOMPOSITION..... Produces normal products of combustion.
 PRODUCTS
 HAZARDOUS..... Will not occur.
 POLYMERIZATION.....
 HAZARDOUS..... No special requirements.
 POLYMERIZATION.....
 CONDITIONS TO AVOID

SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3)

LD50 (ACUTE ORAL TOX)..... Corrosive
 LD50 (ACUTE DERMAL 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..... Disposal of undiluted product is regulated under environmental and transportation laws as a corrosive waste.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT INFORMATION..... Corrosive liquids N.O.S. (Sodium Hydroxide, Monochloroamine), 8 UN 1760, PG II.
 CANADIAN SHIPPING NAME..... CORROSIVE LIQUIDS, N.O.S. (Sodium Hydroxide, Monochloroamine)
 TO CLASSIFICATION..... 8
 PUN/SHIP..... UN 1760
 PLACING GROUP..... II
 ERROTON NAME..... Not applicable.

SECTION 15 - REGULATORY INFORMATION

MSDS CLASSIFICATION..... D, 2B, 3
 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
- MD - The New Jersey Right to Know Hazardous Substance List
- MA - The Massachusetts Hazardous Substance List

SECTION 16 - OTHER INFORMATION

ADDITIONAL INFORMATION..... Use as directed.
 EPA REGISTRATOR #..... Not applicable.
 PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1 (Manufacturer) for contact information.

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