

MATERIAL SAFETY DATA SHEET

Page 1 of 5

MSDS # 114490011

BREAK-UP®

Date Issued: 17Jul1997

Supersedes: 03Mar1997

US MANUFACTURER:

S.C. Johnson Commercial Markets, Inc.
S.C. Johnson Professional
8310 16th Street
Sturtevant, Wisconsin 53177-0902
Phone: (800) 725-6737
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
4-Very High	3	Health	3
3-High	0	Flammability	0
2-Moderate	0	Reactivity	0
1-Slight		Special	
0-Insignificant			

DISTRIBUTED IN CANADA BY:
S.C. Johnson Professional, Inc.
Phone: (519) 758-6611
1 Webster Street, Suite 100
Brantford, Ontario N3T 5R1

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... BREAK-UP®
REASON FOR CHANGE..... Section 11.
PRODUCT USE..... Industrial/Institutional: Cleaning product. This product is intended to be diluted prior to use.

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Potassium Salt of Dibasic Fatty Acid..... (CAS# 68127-33-3)	1-3	NOT ESTABLISHED
[PA NJ MA] Potassium Hydroxide..... (CAS# 1310-58-3)	1-3	2 mg/m³ ACGIH/OSHA CEILING LD50: 365 mg/kg (oral-rat)
Sodium Silicate (CAS# 1344-09-8).....	1-3	NOT ESTABLISHED LD50: 1,150 mg/kg (oral-rat)
Tripotassium Salt of EDTA (CAS# 17572-97-3)...	1-3	NOT ESTABLISHED
Tetrapotassium Pyrophosphate (CAS# 7320-34-5) ..	3-7	NOT ESTABLISHED LD50: 2,980 mg/kg (oral-rat) >7,900 mg/kg (dermal-rabbit)
Water (CAS# 7732-18-5).....	80-90	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.
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.

MATERIAL SAFETY DATA SHEET

Page 2 of 5

MSDS # 114490011

BREAK-UP®

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SECTION 4 - FIRST AID MEASURES (continued)

SKIN CONTACT.....	Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
INHALATION.....	If breathing is affected, remove to fresh air. Get medical attention immediately.
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.
A ₁ IGNITION.....	Not applicable.
TEMPERATURE	
EXTINGUISHING MEDIA....	Foam. CO ₂ . 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.....	Corrosive Material (See Sections 8 and 10).
EXPLOSION HAZARDS	

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... CASE MATERIAL IS RELEASED OR SPILLED	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.

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 Pale Yellow
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MATERIAL SAFETY DATA SHEET

Page 3 of 5

MSDS # 114490011

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

PRODUCT STATE.....	Liquid.
ODOR.....	Bland
pH.....	> 13.0
ODOR THRESHOLD.....	Not available.
SOLUBILITY IN WATER....	Complete
SPECIFIC GRAVITY..... (H ₂ O=1)	1.09
VISCOSITY.....	< 10 (C.P.S.)
VAPOR DENSITY (AIR=1) ..	Not available.
EVAPORATION RATE (BUTYL ACETATE=1)	Not available.
VAPOR PRESSURE (mm HG) ..	Not applicable.
FLASH POINT.....	> 200°F (> 93°C)
FREEZING POINT.....	32°F (0°C)
COEFFICIENT OF..... WATER/OIL	Not available.
PERCENT VOLATILE BY.... VOLUME (%)	Not available.
VOLATILE ORGANIC..... COMPOUND (VOC)	Not applicable.
THEORETICAL VOC..... (LB/GAL)	Not applicable.

SECTION 10 - STABILITY AND REACTIVITY

STABILITY.....	Stable
STABILITY - CONDITIONS. TO AVOID	None known.
INCOMPATIBILITY.....	Strong acids (eg., muriatic acid). Strong oxidizing materials (e.g. liquid chlorine). Avoid contact with: Non ferrous metals. (e.g., zinc, aluminum)
HAZARDOUS DECOMPOSITION PRODUCTS	When exposed to fire: Produces normal products of combustion.
HAZARDOUS..... POLYMERIZATION	Will not occur.
ARDOUS..... POLYMERIZATION CONDITIONS TO AVOID	No special requirements.

SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3)

LD50 (ACUTE ORAL TOX) ..	Corrosive.
LD50 (ACUTE DERMAL TOX) ..	Not available.
EFFECTS OF CHRONIC..... EXPOSURE	None known.
SENSITIZATION.....	None known.
CARCINOGENICITY.....	None known.
REPRODUCTIVE TOXICITY..	None known.
TERATOGENICITY.....	None known.
MUTAGENICITY.....	None known.

MATERIAL SAFETY DATA SHEET

Page 4 of 5

MSDS # 114490011

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SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA..... Not available.

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. (Potassium Hydroxide, Sodium Silicate 8, UN 1760, PG III. Ltd. Qty.

CANADIAN SHIPPING NAME. CORROSIVE LIQUIDS, N.O.S. (Potassium Hydroxide, Sodium Silicate) Limited Quantity

TDG CLASSIFICATION..... 8

PIN/NIP..... UN 1760

PACKING GROUP..... III

EXEMPTION NAME..... Limited Quantity, for packages less than 3.8 litres in compliance with section 5.2 of the TDGR.

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

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.

MATERIAL SAFETY DATA SHEET

Page 5 of 5

MSDS # 114490011

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