

#38132, 38140, 38141, 38134  
MATERIAL SAFETY DATA SHEET

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CORPORATE HEADQUARTERS  
333 HOLLENBECK STREET  
P.O. BOX 1515  
ROCHESTER, NY 14603-1515 - USA  
BRANCH WAREHOUSES IN PRINCIPAL CITIES

Complies with OSHA's 29 CFR  
1910.1200 and State Hazard  
Communication Standards

INFORMATION (716) 336-2200

Medical Emergency Telephone (716) 266-2283  
or INFOTRAC 1-800-535-5053

## SECTION 1

PRODUCT IDENTITY: BREAK-THRU II, All Purpose Spray Cleaner

DATE PREPARED: 10/21/94

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)  
Health: 1/1 Fire: 0/0 Reactivity: 0/0 Special/Personal Protection: None/B

DOT: Not regulated.

## SECTION 2

HAZARDOUS COMPONENTS	CAS #	OSHA-PEL	ACGIH-TLV	% BY WT.
2-Butoxyethanol*	111-76-2	25 ppm (skin)	25 ppm (skin)	1.4 max.
Alkaline detergent blend	Mixture	None Est.	None Est.	2 max.

Also contains color, fragrance and water (7732-18-5). 96 min.

\*SARA Title III Section 313 reportable as Glycol Ether category.

## SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F	SPECIFIC GRAVITY: 1.01 ± 0.01 @ 70°F
VAPOR PRESSURE: As water	PERCENT VOLATILE: 98 ± 0.5
VAPOR DENSITY (air = 1): As water	EVAPORATION RATE: As water
SOLUBILITY IN WATER: Complete	pH: 12.0 ± 0.5

APPEARANCE AND ODOR: Yellow/green liquid; pleasant light floral odor.

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None (TCC) FLAMMABLE LIMITS: Not applicable  
EXTINGUISHING MEDIA: As appropriate for surrounding fire (product is mostly water and will not burn).  
SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent), and full protective gear. Cool exposed containers with water spray to prevent pressure buildup.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

## SECTION 5: REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: None  
INCOMPATIBILITY: None  
HAZARDOUS DECOMPOSITION PRODUCTS: None

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**SECTION 6: HEALTH HAZARD DATA**

**ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE: ACUTE:** Eyes: As any alkaline liquid. May cause irritation. Skin: possible dryness; irritation with prolonged contact; possible systemic effects such as nausea or dizziness with prolonged or repeated contact. Inhalation: vapors or mists irritating to nose and throat; possible nausea, dizziness. Ingestion: May cause severe irritation; nausea, vomiting, diarrhea, dizziness.

**CHRONIC EFFECTS:** 2-Butoxyethanol is readily absorbed through the skin; frequent or widespread contact may absorb harmful amounts. Repeated overexposure may cause damage to liver, kidney and red blood cells.

**CARCINOGENS:** None listed under OSHA, IARC, or NTP.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing respiratory, skin, liver or kidney disorders.

**EMERGENCY AND FIRST AID PROCEDURES:** Eyes: immediately flush with plenty of water for at least 15 minutes while holding eyelids open to ensure complete rinsing. Promptly remove contact lenses if worn. Get immediate medical attention. Skin: immediately flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get prompt medical attention if irritation or burns develop. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation persists. Ingestion: DO NOT INDUCE VOMITING. Give a glass of water or milk to dilute. Get immediate medical attention. Never given anything by mouth to an unconscious person.

**SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

**SPILL OR LEAK PROCEDURES: SMALL SPILLS:** Flush down drain with water or mop up.

**LARGE SPILLS:** Cleanup personnel should wear appropriate protective equipment. Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material and place in suitable containers for disposal. Flush residue with large amounts of water.

Releases of some glycol ethers may be CERCLA reportable.

**WASTE DISPOSAL METHOD:** Trained and properly equipped personnel may dilute and neutralize waste very carefully with dilute acid in accordance with Federal, State and local regulations. If disposed of as received, may be regulated as a "characteristic" hazardous waste due to pH.

**HANDLING AND STORING: CAUTION:** Alkaline liquid. Do not get in eyes, on skin or clothing, or breathe mist or vapors. Store only in original container in a cool, dry, well-ventilated area. Keep container closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

**SECTION 8: CONTROL MEASURES**

**RESPIRATORY PROTECTION:** None normally required. As needed if mist or vapors in air exceed exposure limit. Use NIOSH approved organic vapor respirator with dust/mist filter.

**VENTILATION:** General mechanical and/or local exhaust as needed to maintain below exposure limits.

**GLOVES:** Rubber or neoprene as needed to minimize skin contact.

**EYE PROTECTION:** Chemical safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** A source of water for rinsing of eyes and skin should be available in the workplace.

**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not wear clothing wet with product. Remove and clean or launder contaminated clothing before reuse.

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