

MATERIAL SAFETY DATA SHEET

333 Hollenbeck St.
Rochester NY 14621
Information: 585-336-2200

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

PRODUCT NAME: BREAK-THRU, All Purpose Cleaner

REVISION DATE: 11/01/2001 **REVISION NUMBER:** 3
DATE PRINTED: 03/13/2002 **PREPARED BY:** EH&S DEPARTMENT

1. CHEMICAL PRODUCT

MSDS FORM NUMBER: 7006A
NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2
Fire: 0/0
Reactivity: 0/0
Special/Protective None/B
Equipment:

2. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous Components**

PRODUCT COMPOSITION CAS REGISTRATION NO.	APPROX. WEIGHT PERCENT	ACGIH TLV	ACGIH UNIT	OSHA PEL	OSHA UNIT
2-BUTOXYETHANOL 111-76-2	Greater than 1	20	PPM (skin)	50	PPM (skin)
Sodium metasilicate 6834-92-0	Less than 1	NA	NA	NA	NA

3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 212 F approx. **(C)** NA
VAPOR PRESSURE: NE
VAPOR DENSITY (AIR=1): NE
SOLUBILITY IN WATER: MISCIBLE
SPECIFIC GRAVITY: 1.02
VOC Content (%): NE
EVAPORATION RATE: NE
PH: 12.5
APPEARANCE AND ODOR: Clear yellow-green liquid. Floral scent.

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): 212 F (TCC) **(C):** NA

METHOD: TCC

BREAK-THRU, All Purpose Cleaner

FLAMMABLE LIMITS IN AIR - LOWER (%) : NA

FLAMMABLE LIMITS IN AIR - UPPER (%) : NA

EXTINGUISHING MEDIA: As appropriate for surrounding fire-product is mostly water and will not burn.

FIRE FIGHTING PROCEDURES: Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

5. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

POLYMERIZATION: Will Not Occur.

HAZARDOUS DECOMPOSITION: Oxides of Carbon. Oxides of Phosphorus.

INCOMPATIBILITY (MATERIALS TO AVOID) : Avoid contact with: Acids. Strong alkalies. Strong oxidents, such as nitric acid, peroxides, or hypochlorites.

CONDITIONS/HAZARDS TO AVOID: None.

6. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:

May cause severe irritation. Causes vomiting, nausea, and diarrhea.

SKIN CONTACT:

May cause dryness and irritation. Long term effects are identified by severe irritation, discomfort, swelling, and possible tissue degradation.

INHALATION:

Inhalation of spray mists irritating to nose and throat; possible nausea, dizziness.

EYE CONTACT:

May cause severe eye irritation.

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.

EFFECTS/CARCINOGENICITY:

None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY:

Routes of entry for solids and liquids include eye and skin contact, ingestion and

BREAK-THRU, All Purpose Cleaner

inhalation.

EMERGENCY AND FIRST AID MEASURES:

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. If vomiting occurs, give additional water. Get immediate medical attention. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop. **INHALATION:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. **EYES:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

7. HANDLING AND STORAGE

SPILL PROCEDURES:

SMALL SPILLS: Mop up all possible. Flush residue with water.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water. Releases of some glycol ethers may be CERCLA reportable.

WASTE DISPOSAL METHODS:

Dispose in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a cool, dry area.

OTHER PRECAUTIONS:

Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

None normally required. Use NIOSH approved respirator with dust/mist filter as needed to meet exposure limits of mist in air.

PROTECTIVE GLOVES:

Neoprene. Rubber gloves.

EYE PROTECTION:

Goggles.

OTHER PERSONAL PROTECTION

Eyewash fountains and safety showers must be easily accessible.

EQUIPMENT:

VENTILATION:

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***