



# MATERIAL SAFETY DATA SHEET

## SECTION I - IDENTIFICATION

**PRODUCT:** VF-77T  
**MANUFACTURER:** VIBRA FINISH CO. VIBRA FINISH CO.  
**ADDRESS:** 2220 N. Shasta Way 8411 Seward Road  
 Simi Valley, CA 93065 Hamilton, OH 45011  
**TELEPHONE:** (800) 635-0259 (800) 253-1941

**DESCRIPTION:** Cleaner  
**CHEMICAL FAMILY:** Glycol ether  
**FORMULA:** Proprietary mixture  
**EMERGENCY TELEPHONE NUMBER:** CHEMTREC (800) 424-9300 or (800) 635-0259  
**NFPA RATING:** Health: 1 Fire: 1 Reactivity: 0  
 NFPA Hazard Rating: Extreme: 4 High: 3 Moderate: 2 Slight: 1 Insignificant: 0  
**MSDS ORIGINATION DATE:** 3/5/2003 **REVISION DATE:** 1/26/2009

## SECTION II - HAZARDOUS INGREDIENTS/MIXTURES

MATERIAL or COMPONENT	CAS No.	PERCENT	TLV/ACGIH
Ethylene glycol monobutyl ether	111-76-2	< 5	25 ppm (skin)

## SECTION III - PHYSICAL DATA

**BOILING POINT:**..... >212°F  
**MELTING POINT:**..... ND  
**VAPOR PRESSURE (mm Hg):**..... ND  
**VAPOR DENSITY (Air = 1):**..... ND  
**PERCENT VOLATILE BY VOLUME:**..... ND  
**AUTOIGNITION TEMPERATURE:**..... ND  
**FORM:**..... Liquid  
**SOLUBILITY IN WATER:**..... Complete  
**SPECIFIC GRAVITY (WATER=1):**..... 1.03  
**APPEARANCE:**..... Transparent, medium pink  
**ODOR:**..... Mild butyl cellosolve  
**pH (neat):**..... 10 - 11

## SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT (TEST METHOD):** 160°F (PMCC)

**EXTINGUISHING MEDIA:** Typical fire fighting media, such as water spray, dry chemical, foam, and carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: When this product is involved in a fire, firefighters should wear protective clothing and self-contained breathing apparatus to avoid exposure to vapors or products of combustion.

UNUSUAL FIRE AND EXPLOSION HAZARD: Sealed drums can develop explosive pressures under fire conditions. Use a water spray to keep cool.

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#### SECTION V - HEALTH HAZARD INFORMATION

##### EFFECTS OF OVEREXPOSURE:

SKIN: May cause skin irritation and reddening. Harmful if absorbed through the skin.

EYES: Contact may cause irritation, tearing, and redness.

INGESTION: May cause irritation to the mouth, esophagus, and stomach, followed by nausea, vomiting, and diarrhea.

INHALATION: Avoid mists. Mists may cause headaches, dizziness, and respiratory tract irritation. High exposures may cause narcotic effects and lung damage.

##### EMERGENCY AND FIRST AID PROCEDURES:

SKIN: Flush with plenty of water for 15 minutes. Remove contaminated clothing. See a physician if irritation persists.

EYES: Flush the eyes with plenty of water for 15 minutes, alternately lifting the upper and lower eyelids. After 5 minutes, if appropriate, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Get medical attention if irritation develops or persists.

INGESTION: Rinse mouth and drink 2 or 3 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Call a physician.

INHALATION: Move the victim to fresh air. Give artificial respiration if not breathing.

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#### SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High temperatures, fires, and incompatibles.

INCOMPATIBILITY: Avoid contact with strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: High temperatures and fires may produce toxic carbon monoxide, carbon dioxide, and oxides of phosphorous, nitrogen, and sodium.

HAZARDOUS POLYMERIZATION: Will not occur.

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#### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear chemically protective clothing. Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Keep product out of sewers, watersheds, and water systems.

WASTE DISPOSAL METHOD: Material that cannot be recovered and reused should be disposed of in accordance with all Federal, State, and Local regulations.

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#### SECTION VIII - SPECIAL PROTECTION INFORMATION



RESPIRATORY PROTECTION (Specify type): Avoid breathing vapors or mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece when concentrations are unknown.

VENTILATION: Provide adequate mechanical or local exhaust ventilation to minimize exposure levels, particularly in areas where the air contacts open process equipment.

PROTECTIVE GLOVES: The wearing of rubber or neoprene gloves is recommended.

EYE PROTECTION: Wear chemical splash goggles and/or full-face shield where there is potential for eye contact. An eyewash fountain should be located in areas where the product is used.

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#### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Containers should be stored in a cool, dry, well-ventilated area. Exercise due caution to prevent damage to or leakage from the container. Avoid contact with ignition sources and strong oxidizing agents. Keep containers closed when not in use.

OTHER PRECAUTIONS: Use good industrial practices in the storage, handling, and distribution of this product.

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#### SECTION X - REGULATORY INFORMATION

This product is not considered a carcinogen or cancer suspect under NTP, IARC, and OSHA.

SARA Title III Section 313 (Toxic Chemicals): Ethylene oxide (CAS 75-21-8)

SARA Title III Section 302 (Extremely Hazardous Substances): Ethylene oxide (CAS 75-21-8)

SUPERFUND REPORTABLE QUANTITY CHEMICAL: Ethylene oxide (CAS 75-21-8) (RQ = 10 lb)

CAL-OSHA DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES: Ethylene oxide (CAS 75-21-8); Ethylene glycol monobutyl ether (CAS 111-76-2)

PROPOSITION 65 (Chemicals known to the state of California to cause cancer or reproductive toxicity): This product contains 0.015% Phenolphthalein (CAS 77-09-8) and traces of Ethylene oxide (CAS 75-21-8) and trisodium nitrotriacetate (CAS 5064-31-3).

U.S. DOT PROPER SHIPPING NAME: Not regulated.

LABEL: NA

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NA: not applicable ND: not determined

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