

# MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** END-GERM  
**Product Number:** 681  
**Product Type:** AEROSOL  
**Supplier's Name:** Kandel and Son, Inc.  
**Supplier's Address:** 211 Park Avenue, Hicksville, NY 11801  
**D.O.T. Hazard Class:** CONSUMER COMMODITY - ORM-D

**Formula:** Proprietary  
**Date Prepared:** 07/28/05  
**Emergency Phone:** (800) 255-3924  
**Information Phone:** (516) 931-4455

**HMIS Rating (Based on Aerosol Conc.):**  
0-Minimal 1- Slight 2- Moderate  
3- Serious 4- Extreme  
**HEALTH:** 1 **FIRE:** 3 **REACTIVITY:** 0  
**Personal Protection:** B

## SECTION II - INGREDIENTS

CHEMICAL NAME	CAS #	%WT	313/Chem	Skin	Carcinogen	PEL	TWA/TLV
Ethyl Alcohol	64-17-5	53.72	NO	NO	NO	1000 ppm	1000 ppm
Ortho-Phenylphenol	90-43-7	0.10	NO	NO	NO	N/E	N/E
Para-Tertiary-Amylphenol	80-46-6	0.03	NO	NO	NO	N/E	N/E
Triethylene Glycol	112-27-6	01-05	NO	NO	NO	N/E	N/E
Propylene Glycol Methyl Ether	107-98-2	01-05	NO	NO	NO	100 ppm	100 ppm
Liquified Petroleum Gas	68476-85-7	20-40	NO	NO	NO	1000 ppm	1000 ppm

## SECTION III - PHYSICAL DATA

### Data Below Based On Aerosol Concentrate Only:

Boiling Point: 151°F

pH: 9.5

Solubility In Water: Complete

Appearance/Odor: Clear liquid with clean, aldehydic citrus pine fragrance

Vapor Density(Air=1): >1

Specific Gravity (H<sub>2</sub>O=1)@70°F: 0.853

### Data Below Based On Total Contents:

Vapor Pressure of can (psig @70°F): 67

Total VOC %: ~84.5%

## SECTION IV - FIRE AND EXPLOSION DATA

**Flash Point** (of Concentrate Only): 50°F (T.O.C.)

**Flammability** (as per USA Flame Projection Test): Flammable Spray

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Media

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

**Unusual Fire and Explosion Hazards:** Exposure to temperature above 120° F may cause bursting.

## SECTION V - REACTIVITY DATA

**Stability:** Material Stable.

**Hazardous Polymerization:** Will not Occur.

**Incompatibility:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxides.

## SECTION VI - STORAGE AND HANDLING

### KEEP OUT OF REACH OF CHILDREN.

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 120° F.

Contents under pressure.

Avoid contact with eyes, skin, and clothing.

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove contaminated clothing and wash before reuse.

Do not puncture or incinerate.

**NFPA Code 30B Rating:** Level 2 Aerosol.

## SECTION VII - HEALTH AND FIRST AID

### PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:

**Eyes:** Causes severe irritation, redness, tearing, and blurred vision. May cause corneal inflammation.

**Skin:** Frequent or prolonged contact may cause irritation and possibly dermatitis. May aggravate existing skin conditions.

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause dizziness, nausea, circulatory shock, respiratory depression, convulsion, and other central nervous system effects.

**Ingestion:** May be harmful if swallowed. Can cause gastrointestinal irritation, mucosal damage, nausea, vomiting and diarrhea. Ingestion of large amounts may result in liver or kidney damage. Aspiration of material into the lungs can cause chemical pneumonitis and other pulmonary injury.

### FIRST AID PROCEDURES:

**Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**Skin:** Take off any contaminated clothing. Rinse immediately with plenty of water for 15-20 minutes. If irritation persists, call a poison control center or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth -to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless instructed to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Notes to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

## SECTION VIII - SPECIAL PROTECTION DATA

**Respiratory Protection:** None needed for proper use in accordance with label directions. If ventilation is not adequate to reduce vapors below established exposure limits, use a NIOSH approved air-purifying respirator equipped with organic vapor cartridge(s).

**Ventilation:** Provide local exhaust to keep air concentrations of ingredients listed in Section II below established exposure limits.

**Protective Gloves:** Use chemical resistant gloves if hand contact will be made.

**Eye Protection:** Wear chemical resistant safety glasses or splash goggles.

## SECTION IX - SPILL OR LEAK PROTECTION

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.

**WASTE DISPOSAL METHOD:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

NA= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.