

MATERIAL SAFETY DATA SHEET
(CONFORMS TO OSHA HAZARDOUS COMMUNICATION STANDARD)

DATE ISSUED: March 28, 2003

DATE PREPARED: JANUARY 5, 2003

PAGE 1 OF 2

PRODUCT NAME: SMOKE END™

PRODUCT DESCRIPTION: LIQUID TOBACCO SMOKE ODOR NEUTRALIZER

SECTION 1: MANUFACTURER'S INFORMATION

SURCOTECH
292 ALPHA DRIVE
RIDC INDUSTRIAL PARK
PITTSBURGH, PA 15238-2903
24 HOUR EMERGENCY NUMBERS
1-412-252-7000
INFOTRAC 1-800-535-5053

SECTION 2: PHYSICAL PROPERTIES

PHYSICAL STATES: LIQUID
COLOR: PALE AMBER
ODOR: NON-DESCRIPT
REFRACTIVE INDEX @ 20 C: N/A
SPECIFIC GRAVITY @ 25 C (H2O=1.0): .879 +/- .004
SOLUBLE IN: WATER

SECTION 3: PHYSICAL HAZARD DATA

FLASH POINT-CC (DEG F): 74 DEG. F
L.F.L.: NOT DETERMINED
U.F.L.: NOT DETERMINED

- EXTINGUISHING MEDIA: DRY CHEMICALS, FOAM OR CARBON DIOXIDE.
- SPECIAL FIRE FIGHTING PROCEDURES: WATER MAY BE INEFFECTIVE BUT MAY BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAMES.
- MATERIALS/CONDITIONS TO AVOID: AVOID EXCESSIVE HEAT, OPEN FLAMES OR OTHER SOURCES OF IGNITION. AVOID CONTACT WITH STRONG ACIDS OR STRONG OXIDIZING AGENTS.
- UNUSUAL FIRE, EXPLOSION AND STABILITY HAZARDS: DENSE SMOKE MAY OCCUR. CARBON MONOXIDE, CARBON DIOXIDE AND OTHER OXIDES MAY BE GENERATED DURING COMBUSTION.

SECTION 4: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

THE IDENTITY OF INDIVIDUAL COMPONENTS OF THIS MIXTURE IS PROPRIETARY INFORMATION AND IS REGARDED TO BE A TRADE SECRET. THIS MIXTURE CONTAINS NO SUSPECTED CARCINOGENS AS REPORTED BY NIP, OSHA OR IARC MONOGRAPHS. ONE OR MORE OF THE COMPONENTS PRESENT IN GREATER THAN 1% CONCENTRATION MAY PRESENT THE FOLLOWING HEALTH EFFECTS BASED ON EVALUATION OF THE INDIVIDUAL COMPONENTS: NONE KNOWN

INDUSTRIAL OVEREXPOSURE

ROUTES OF ENTRY, SIGNS AND SYMPTOMS, HEALTH EFFECTS:

IN HUMANS, ONE OR MORE OF THE INDIVIDUAL COMPONENTS MAY CAUSE THE FOLLOWING HEALTH EFFECTS UPON:

- EYE CONTACT: IRRITATION TO THE EYES UPON DIRECT CONTACT. POSSIBLE PERMANENT INJURY.
- SKIN: MAY BE IRRITATING.
- INHALATION: TLV 400 PPM.
- INGESTION: DO NOT INDUCE VOMITING. SMALL QUANTITIES USUALLY NOT FATAL.

PRODUCT IDENTIFICATION

HMIS RATINGS: HEALTH - 1, FLAMMABILITY - 3, REACTIVITY - 0, PERSONAL PROTECTION-C

D.O.T. RATINGS: CONSUMER COMMODITY ORM-D

SECTION 5: FIRST AID PROCEDURES

- EYES: IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN IF IRRITATION PERSISTS.
- SKIN: WASH WITH SOAP AND WATER. FLUSH WITH LARGE QUANTITIES OF WATER.
- INHALATION: REMOVE TO FRESH AIR.
- INGESTION: GIVE TWO (2) GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF VICTIM'S THROAT, KEEP VICTIM'S HEAD BELOW HIPS WHILE VOMITING TO PREVENT ASPIRATION INTO LUNGS. GET MEDICAL ATTENTION.

SECTION 6: PERSONAL PROTECTION

- EYES: THE USE OF SAFETY GLASSES IS RECOMMENDED. IF A MATERIAL IS TO BE HANDLED IN A MANNER WHERE SPLASHING MAY OCCUR, THE USE OF SPLASH GOGGLES OR FACE SHIELD IS RECOMMENDED.
- RESPIRATORY: IN WELL VENTILATED AREAS, RESPIRATORY PROTECTION IS NOT NORMALLY REQUIRED. IN CONFINED POORLY VENTILATED AREAS THE USE OF "NIOSH" APPROVED RESPIRATORY PROTECTION MAY BE REQUIRED.
- EQUIPMENT AND APPAREL: THE USE OF CHEMICAL RESISTANT GLOVES IS RECOMMENDED. ACCEPTABLE INDUSTRIAL HYGIENE PRACTICES SHOULD BE MAINTAINED.

SECTION 6: PERSONAL PROTECTION (CONTINUED)

- VENTILATION: PROVIDE ADEQUATE VENTILATION. USE LOCAL EXHAUST FAN IF NECESSARY.

SECTION 7: STORAGE AND HANDLING

IT IS RECOMMENDED THAT THIS MATERIAL BE STORED IN A WELL VENTILATED AREA AVOIDING OPEN FLAMES OR OTHER SOURCES OF IGNITION.

SECTION 8: SPILL, RELEASE AND WASTE DISPOSAL PROCEDURES

- SPILL OR RELEASE: CONTAIN SPILLED MATERIAL. AVOID OPEN FLAMES OR OTHER SOURCES OF IGNITION. AVOID INHALATION OF VAPORS. IN A CONFINED, POORLY VENTILATED AREA, THE USE OF A "NIOSH" APPROVED RESPIRATOR IS RECOMMENDED. COVER WITH AN INERT, NON-COMBUSTIBLE ABSORBENT MATERIAL AND REMOVE TO AN APPROVED DISPOSAL CONTAINER.
- DISPOSAL PROCEDURES: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 9: OTHER INFORMATION

ALL MATERIALS ARE LISTED OR ARE EXCLUDED FROM LISTING ON THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

ALL COMPONENTS ARE LISTED IN THE CANADIAN DOMESTIC SUBSTANCES LIST (CEPA), CANADA GAZETTE, PART I, JANUARY 26, 1991.

ALL COMPONENTS ARE LISTED IN THE EUROPEAN INDEX FOR EXISTING CHEMICALS (EINECS).

ALL COMPONENTS OF THIS(THESE) PRODUCT(S) ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

AS OF THE DATE OF PREPARATION OF THIS DOCUMENT, THE FOREGOING INFORMATION IS BELIEVED TO BE ACCURATE AND IS PROVIDED IN GOOD FAITH TO COMPLY WITH APPLICABLE FEDERAL AND STATE LAW(S). HOWEVER NO WARRANTY OR REPRESENTATION WITH RESPECT TO SUCH INFORMATION IS INTENDED OR GIVEN.

**THE ABOVE DESCRIPTIONS AND DESIGN LAYOUTS ARE PROTECTED UNDER COPYRIGHT.

DO NOT TRANSFER TO UNMARKED CONTAINERS!!