



**CHEMAX**  
CORPORATION

**MATERIAL SAFETY DATA SHEET**

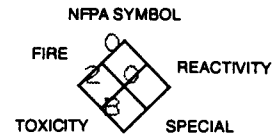
**EMERGENCY PHONE 1-800-346-0132**

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MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD (HSC) 29 CFR 1910, 1200, STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

HMIS SYMBOL	
HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

HMIS	NFPA
SEVERE 4	EXTREME
SERIOUS 3	HIGH
MODERATE 2	MODERATE
SLIGHT 1	SLIGHT
MINIMAL 0	INSIGNIFICANT



**PRODUCT IDENTIFICATION:**

A147

BENSOL

DATE: 01/02/03

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**SECTION I: HAZARDOUS INGREDIENTS**

CAS NUMBER	CHEMICAL NAME	%	TLV (PPM)
79-01-6	TRICHLOROETHYLENE	35	50
127-18-4	PERCHLOROETHYLENE	63	25
124-38-9	CARBON DIOXIDE	2	5000

THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

NOTE - THIS PRODUCT CONTAINS THESE SARA TITLE III, SECTION 313 CHEMICALS: TRICHLOROETHYLENE, PERCHLOROETHYLENE

**SECTION II: PHYSICAL DATA**

BOILING POINT: N/A  
 VAPOR PRESSURE: PSIG @ 70 F (Aerosols): 85-100 (Non-Aerosols): N/A  
 VAPOR DENSITY: (AIR=1): N/E  
 SOLUBILITY IN WATER: INSOLUBLE  
 SPECIFIC GRAVITY: (H2O=1): CONCENTRATE ONLY = 1.60  
 PERCENT VOLATILE BY VOLUME: N/A  
 EVAPORATION RATE: (N-BUTYL ACETATE=1): CONCENTRATE ONLY = 2.1  
 P H: N/A  
 APPEARANCE AND ODOR: CLEAR, COLORLESS SPRAY & CHLORINATED SOLVENT ODOR

**SECTION III: FIRE AND EXPLOSION DATA**

FLASH POINT: N/A  
 FLAMMABLE LIMITS: N/E  
 EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE  
 SPECIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

DO NOT EXPOSE TO TEMPERATURES ABOVE 130 F OR CONTAINER MAY RUPTURE

SECTION IV: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE: NAUSEA; DIZZINESS; ANESTHETIC EFFECTS; ASPHYXIA; POSSIBLE UNCONSCIOUSNESS; IRRITATION TO EYES/SKIN; CHEMICAL PNEUMONITIS IF ASPIRATED INTO THE LUNGS; HEADACHES

EMERGENCY FIRST AID PROCEDURES:

- SKIN: WASH WITH SOAP & WATER. IF IRRITATED, SEE PHYSICIAN.
EYES: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATED, SEE PHYSICIAN.
INGESTION: GET MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING. DRINK TWO LARGE GLASSES OF WATER.
INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NECESSARY. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION V: REACTIVITY DATA

STABILITY DATA: STABLE. AVOID OPEN FLAMES, WELDING ARCS, HEAT, SPRAKS.
INCOMPATIBILITY: STRONG OXIDIZING AGENTS, REACTIVE METALS, ALUMINUM, MAGNESIUM
HAZARDOUS DECOMPOSITION PRODUCTS: HCl, CO, CO2, SM AMTS PHOSGENE & CHLORINE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI: SPILL OR LEAK PROCEDURES

SMALL SPILLS: ABSORB w/SUITABLE MEDIUM. INCINERATE OR LANDFILL ACCORDING TO LOCAL/STATE/FEDERAL REGULATIONS. ALLOW TO EVAPORATE. DO NOT FLUSH TO SEWER.
LARGE SPILLS: AEROSOL CANS, WHEN EMPTIED AND DEPRESSURIZED THROUGH NORMAL USE, POSE NO DISPOSAL HAZARD AND SHOULD BE RECYCLED.
AVOID BREATHING OF VAPORS AND ABSORPTION THROUGH SKIN.

FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE SPILLS.

SECTION VII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: IF VAPOR CONCENTRATION EXCEEDS TLV, USE RESPIRATOR APPROVED BY THE BUREAU OF MINES FOR ORGANIC VAPOR.
VENTILATION: ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV(s)
PROTECTIVE GLOVES: NEOPRENE GLOVES RECOMMENDED
EYE PROTECTION: SAFETY GLASSES RECOMMENDED
OTHER PROTECTIVE EQUIPMENT: NONE

WASH WITH SOAP & WATER BEFORE HANDLING FOOD

SECTION VIII: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT PUNCTURE OR INCINERATE CONTAINERS. FOR INDUSTRIAL AND NSTITUTIONAL USE ONLY. KEEP OUT OF REACH OF ALL CHILDREN. AVOID FOOD CONTAMINATION. AVOID BREATHING OF ALL VAPORS.
OTHER PRECAUTIONS: READ & FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL. THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE MANNER, AND THEY ALSO GIVE YOU THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEATHLH.