

MATERIAL DATA SAFETY SHEET

29332/4

.....PRODUCT IDENTIFICATION.....

TRADE NAME: MALODOR NEUTRALIZER SPRAY PRODUCT CODE: MNS051/787
 TYPE OF PRODUCT: AEROSOL DEODORIZER
 MANUFACTURER'S NAME: MBL INDUSTRIES, INC. 000813
 ADDRESS: 3600 WEST CARRIAGE DRIVE, SANTA ANA, CA 92704
 PHONE NUMBER: (714) 557-6505
 DATE PREPARED OR REVISED: 7/01/87 NAME OF PREPARER: Ian R. Gecker

MNS051.787

MATERIAL DATA SAFETY SHEET

.....SECTION I - PRODUCT IDENTIFICATION.....

TRADE NAME: _____ PRODUCT CODE: _____
 TYPE OF PRODUCT: _____
 DISTRIBUTOR'S NAME: _____
 ADDRESS: _____
 PHONE NUMBER: _____
 DATE PREPARED OR REVISED: _____ NAME OF PREPARER: _____

.....SECTION II - HAZARDOUS INGREDIENTS.....

CHEMICAL NAMES	CAS NUMBERS	EXPOSURE LIMITS IN AIR		
		ACGIH-TLV	OSHA-PEL	OTHER
1,1,1-Trichloroethane	71556	350PPM	350PPM	
Isobutane/Propane	75-28-5/74-98-6	800PPM	800PPM	

.....SECTION III - PHYSICAL PROPERTIES.....

VAPOR DENSITY (air=1): <1.0	MELTING POINT OR RANGE, °F: N/A
SPECIFIC GRAVITY g/cc @ 60°F: N/A	BOILING POINT OR RANGE, °F: N/A
SOLUBILITY IN WATER: Slight	EVAPORATION RATE (butyl acetate = 1): N/A
VAPOR PRESSURE, psig @ 70°F: 45-55	pH @ 25°C: N/A
APPEARANCE AND ODOR: Fine Mist/Cinnamon	FLASH POINT °F (TCC): N/A
FLAME EXTENSION @ 70°F: None	

.....SECTION IV - FIRE AND EXPLOSION.....

FLASH POINT, °F (TCC): N/A
 AUTO IGNITION TEMPERATURE, °F: N/A
 FLAMMABLE LIMITS IN AIR, VOLUME %: LOWER (LEL) 1.8 UPPER (UEL) 9.5
 FIRE EXTINGUISHING MATERIALS:
 WATER SPRAY FOAM CARBON DIOXIDE DRY CHEMICAL OTHER
 SPECIAL FIREFIGHTING PROCEDURES: Firefighters must wear full bunker gear (helmet, face shield, coats, boots, gloves). Wear a MUSH approved self-contained breathing apparatus. Containers exposed to heat must be water cooled to prevent bursting and rocketing and further spewing of ignited flammable constituents.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Aerosol pressurized containers will burst and/or rocket when exposed to temperatures above 120°F.

.....SECTION V - HEALTH HAZARD INFORMATION.....

SYMPTOMS OF OVEREXPOSURE

INHALED: Dizziness, nausea, Throat irritation above 1000 PPM exposure from 1, 1, 1 Trichloroethane.
 CONTACT WITH SKIN OR EYES: Irritation, temporary corneal injury.
 ABSORBED THROUGH SKIN: Not readily absorbed.
 SWALLOWED: Dizziness, nausea. Single dose toxicity is low to moderate.

(Continued)

HEALTH EFFECTS OR RISKS FROM EXPOSURE

MNS051 787

ACUTE: Nasal and respiratory irritation.

CHRONIC: Chronic exposure to 1, 1, 1 Trichloroethane has caused liver toxic effects in test animals.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush with water. Get medical attention.

SKIN CONTACT: Wash with soap and warm water. Get medical attention.

INHALED: Remove to fresh air. Administer artificial respiration or oxygen if not breathing.

SWALLOWED: Do not induce vomiting as chemical pneumonitis may occur. Get immediate medical attention.

SUSPECTED CANCER AGENT

NO: This product's ingredients are not found in the lists below.

YES: FEDERAL OSHA NTP IARC

California employers using Cal/OSHA - regulated carcinogens must register with Cal/OSHA. The Cal/OSHA and Federal OSHA carcinogen lists are similar.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing skin, eye and lung disorders may be aggravated by exposure to this product. Acute and chronic liver disease and rhythm disorders of the heart from 1, 1, 1 Trichloroethane.

RECOMMENDATION TO PHYSICIAN: Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE UNSTABLE

CONDITIONS TO AVOID: Exposure to temperatures in excess of 120°F, heat, spark, open flame, or other sources of ignition.

INCOMPATIBILITY (materials to avoid): N/A

HAZARDOUS DECOMPOSITION PRODUCTS (including combustion products): Carbon dioxide, carbon monoxide and hydrogen chloride.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

SPILL RESPONSE PROCEDURES: Turn off all sources of ignition. Ventilate area completely. Dike area. Apply an absorbent and sweep up.

PREPARING WASTE FOR DISPOSAL: Place into containers for disposal.

NOTE: Dispose of all waste in accordance with federal, state and local regulations.

SECTION VIII - SPECIAL HANDLING INFORMATION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation.

RESPIRATORY PROTECTION: None when used in accordance with label directions.

EYE PROTECTION: N/A

GLOVES: N/A

OTHER CLOTHING AND EQUIPMENT: N/A

WORK PRACTICES, HYGIENIC PRACTICES: Wash with soap and water before eating, smoking, drinking or using toilet facilities.

OTHER HANDLING AND STORAGE REQUIREMENTS: Handle and store in accordance with label directions. Do not puncture incinerate container.

PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Flush off with water and or wipe off with rags all contamination prior to working on equipment.

Information on this material safety data sheet represents the latest data and best opinion as to the proper use and handling of this product under normal conditions of use, storage and disposal. Any use, storage and disposal of this product which is not in conformance with this data sheet and the product labeling is the responsibility of the user. This material safety data sheet was prepared by the product manufacturer to comply with the CAL/OSHA hazard communication regulations contained in section 5194 of Title 8 of the California Administrative Code. No modification to the information or contents of this form are permitted without the direct written permission of the manufacturer.