

4 cans

BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME HIGH TECH ELECTRONIC CLEANER		BOWMAN PART NO. 21959 (page 1 of 2)
SUPPLIER Bowman Distribution, Barnes Group Inc.		EMERGENCY TELEPHONE NO. (216) 391-7200
ADDRESS 850 East 72nd Street, Cleveland, OH 44103		DATE 7/10/86
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Consumer Commodity, ORM-D, UN		
ADDITIONAL HAZARD CLASSES (as applicable) None		
CHEMICAL FAMILY Pressurized Product	FORMULA TM-2207	

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	%V	CHEMICAL NAME(S)	Listed as a Carcinogen in NTP, IARC or OSHA 1910(z) (specify)
76-13-1	97.0		Trichlorotrifluoroethane	None
			(All components are inert and nontoxic)	
124-38-9	3.0		Carbon Dioxide	None

SECTION III - PHYSICAL DATA

BOILING POINT _____°F _____°C N.A.	SPECIFIC GRAVITY (H ₂ O = 1)	N.A.		
VAPOR PRESSURE @ _____°F _____°C <input type="checkbox"/> mm Hg <input checked="" type="checkbox"/> psi 140	PERCENT VOLATILE BY VOLUME (%)	100	PERCENT SOLID BY WEIGHT (%)	None
VAPOR DENSITY (AIR = 1) 4.0	EVAPORATION RATE (= 1)	N.A.		
SOLUBILITY IN WATER < 1%	pH "	None		
APPEARANCE AND ODOR Clear and Ethereal	MATERIAL IS: LIQUID GAS			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT _____°F _____°C method used None	FLAMMABLE LIMITS N.A.	LEL none	UEL none
EXTINGUISHING MEDIA Waterfog, dry chemical or carbon dioxide			
SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool. Use equipment or shielding required to protect personnel against bursting or venting containers.			
UNUSUAL FIRE AND EXPLOSION HAZARDS At elevated temperatures (130° or over) containers may vent, rupture or burst.			

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - Conditions to avoid May cause dizziness or in extreme case absence of oxygen could produce narcosis.	THRESHOLD LIMIT VALUE 1000 PPM PERMISSIBLE EXPOSURE LIMIT OTHER LIMIT
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)	
EMERGENCY AND FIRST AID PROCEDURES If unconscious, remove person to fresh air and call a physician. If sprayed in eyes, flush immediately with large quantities of water.	

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Pressurized containers could rupture above 130° F.
INCOMPATIBILITY (materials to avoid) None			
HAZARDOUS DECOMPOSITION PRODUCTS: IN FIRE PRODUCT MAY DECOMPOSE TO CARBON DIOXIDE AND WATER.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Flush with large quantities of water. Ventilate area.	
WASTE DISPOSAL METHOD Do not puncture or incinerate containers. Give to a disposal service equipped to safely handle and dispose of pressurized containers.	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs) Unknown	
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33) Not Hazardous	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water) Unknown	<input type="checkbox"/> Theoretical _____ lb/gal <input type="checkbox"/> Analytical _____ lb/gal

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) Avoid breathing concentrated vapors or particles from all products not specifically designed to be inhaled.		
VENTILATION	LOCAL EXHAUST (specify rate) normal use — normal ventilation	SPECIAL none
	MECHANICAL (general) (specify rate)	OTHER
PROTECTIVE GLOVES (specify type) N.A.	EYE PROTECTION (specify type) Safety glasses required	
OTHER PROTECTIVE EQUIPMENT None		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Read and follow cautions on product label. Do not store in temperatures above 120° F.	
OTHER PRECAUTIONS None	