

Health	2
Flammability	4
Reactivity	0
Personal Protection	E

HMS Ratings

# BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

Health	2
Flammability	4
Reactivity	0
Specific Hazard	—

NFPA Ratings

## SECTION I

PRODUCT NAME <b>BATTERY TERMINAL PROTECTOR</b>		BOWMAN PART NO. <b>21948</b> (page 1 of 2)
SUPPLIER <b>Bowman Distribution, Barnes Group Inc.</b>	INFORMATION TELEPHONE NO. <b>(216) 416-7200</b>	24 HR. EMERGENCY TELEPHONE NO. <b>(303) 623-5716</b>
ADDRESS <b>1301 E. 9th St., Suite 700, Cleveland, Ohio 44114-1824</b>		DATE <b>3/10/97</b>
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) <b>Aerosol Spray Paint, Consumer Commodity, ORM-D</b>		
ADDITIONAL HAZARD CLASSES (as applicable) <b>IATA: Consumer Commodity, ID 8000, Class 9</b>		
CHEMICAL FAMILY <b>N.A.</b>	FORMULA <b>X-11809</b>	

## SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NUMBER	%W	%V	CHEMICAL NAME(S)	OSHA PEL (PPM)	ACGIH TLV (PPM)	Other Limits (PPM)	Listed as Carcinogen NTP, IARC or OSHA 1910(z) (specify)
75-09-2	20-25		*Methylene Chloride	25 ppm	50 ppm	174 ppm	NTP, IARC, OSHA
1330-20-7	5-10		*Xylene	100 ppm	100 ppm	—	NO
68476-86-8	23		Propane/Butane Blend	1000 ppm	N.E.	—	NO

\*ALL CHEMICAL COMPOUNDS MARKED WITH AN ASTERISK (\*) ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372. The STEL for methylene chloride is 125 ppm (15 min. TWA); the action level is 12.5 ppm (8 hr. TWA)

## SECTION III - PHYSICAL DATA

BOILING POINT <u>104</u> °F <u>40</u> °C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	<1	MAXIMUM PERCENT VOC BY WEIGHT (%) % <u>34</u> Method used <u>Calculated</u>
VAPOR PRESSURE <u>340</u> @ <u>70</u> °F <u>20</u> °C <input checked="" type="checkbox"/> mm Hg <input type="checkbox"/> psi	PERCENT VOLATILE BY VOLUME (%)	33	
VAPOR DENSITY (AIR = 1)	>1	EVAPORATION RATE (BuAc = 1)	>1
SOLUBILITY IN WATER	Slight	PH =	N.A.
APPEARANCE AND ODOR <u>Mild Solvent Odor.</u>			PERCENT SOLID BY WEIGHT (%) <u>45</u>
			MATERIAL IS: <u>LIQUID</u>

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT <u>None</u> °F _____ °C	method used TCC	FLAMMABLE LIMITS	LEL <u>13</u>	UEL <u>N.A.</u>
EXTINGUISHING MEDIA <u>Carbon dioxide, dry chemical, or alcohol foam.</u>				
SPECIAL FIRE FIGHTING PROCEDURES <u>Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Use a self-contained breathing apparatus with a full face piece.</u>				
UNUSUAL FIRE AND EXPLOSION HAZARDS <u>vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, or other ignition sources at locations distant from the material handling point.</u>				

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N.A. - Not Applicable  
N.E. - Not Established  
N.D. - Not Determined

## SECTION V - HEALTH HAZARD DATA

<b>HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS)</b>	
<b>ACUTE:</b> Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and asphyxiation. <b>CHRONIC:</b> Permanent brain and nervous-system damage has been reported. Overexposure to these chemicals has been found to cause damage to lungs, heart, liver, kidneys, and spleen in laboratory animals. Liver abnormalities have been found in humans.	
<b>CONDITIONS TO AVOID</b> Excessive inhalation of vapors.	
<b>SIGNS AND SYMPTOMS OF OVEREXPOSURE</b> Dizziness, headache, weakness, fatigue, and nausea.	
<b>PRIMARY ROUTES OF ENTRY</b> Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) Eye Contact.	
<b>EMERGENCY AND FIRST AID PROCEDURES</b> If Breathed: Move individual to fresh air. If breathing is difficult, administer oxygen. If on Skin: Wash with soap and water, and then wash clothing before reuse. If in Eyes: Flush with water for 15 minutes. Get medical attention.	
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE</b> Can cause allergic respiratory and/or skin reaction.	
<b>WARNING</b> This product contains a chemical known to the State of California to cause cancer.	

## SECTION VI - REACTIVITY DATA

<b>STABILITY</b>	UNSTABLE		<b>CONDITIONS TO AVOID</b> Heat, sparks, and open flames.
	STABLE		
<b>INCOMPATIBILITY (materials to avoid)</b> Avoid contact with strong oxidizing agents and heat.			
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> May form carbon monoxide, nitrogen compounds, etc. when burned.			
<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR		<b>CONDITIONS TO AVOID</b>  N.A.
	WILL NOT OCCUR		

## SECTION VII - SPILL OR LEAK PROCEDURES

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> Absorb liquid on paper, vermiculite, and floor-absorbent material, and transfer to a closed container. Eliminate all ignition sources.	
<b>WASTE DISPOSAL METHOD</b> Material collected may be deposited in a posted toxic substance landfill in accordance with local, state, and federal regulations.	
<b>CERCLA (Superfund) REPORTABLE QUANTITY (in lbs.)</b> N.A.	
<b>RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)</b> N.A.	
<b>VOLATILE ORGANIC COMPOUND (VOC)</b> as packaged, minus water)	<input checked="" type="checkbox"/> Theoretical _____ lb/gal <input type="checkbox"/> Analytical _____ lb/gal See Section III.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

<b>RESPIRATORY PROTECTION (specify type)</b> Open windows and doors or employ sufficient ventilation to ensure fresh-air entry. If irritation or dizziness is experienced, use a NIOSH/MSHA jointly approved, self-contained breathing apparatus with a full face piece operated in pressure demand.		
<b>VENTILATION</b>	<b>LOCAL EXHAUST (specify rate)</b> Sufficient to maintain exposure below TLV(s). <b>MECHANICAL (general) (specify rate)</b> None	<b>SPECIAL</b> None <b>OTHER</b> None
<b>PROTECTIVE GLOVES (specify type)</b> Chemical-resistant gloves.	<b>EYE PROTECTION (specify type)</b> Chemical splash goggles in compliance with OSHA regulations.	
<b>OTHER PROTECTIVE EQUIPMENT</b> N.A.		

## SECTION IX - SPECIAL PRECAUTIONS

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> Do not store in areas above 120° F or in direct sunlight or near heat or open flames.
<b>OTHER PRECAUTIONS</b> Store large quantities in buildings protected for storage of NFPA Class 1C flammable liquids.