

# BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

Health	0
Flammability	1
Reactivity	0
Personal Protection	B
HMIS Ratings	

Health	1
Flammability	1
Reactivity	0
Specific Hazard	
NFPA Ratings	

## SECTION I

PRODUCT NAME <b>BATTERY TERMINAL PROTECTORS</b>		BOWMAN PART NO. <b>21949</b>	(page 1 of 3)
SUPPLIER <b>Bowman Distribution, Barnes Group Inc.</b>	INFORMATION TELEPHONE NO. <b>(216) 391-7200</b>	24 HR. EMERGENCY TELEPHONE NO. <b>(303) 623-5716</b>	
ADDRESS <b>850 East 72nd Street, Cleveland, OH 44103</b>		DATE <b>9/10/93</b>	
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) <b>Consumer Commodity, ORM-D</b>			
ADDITIONAL HAZARD CLASSES (as applicable) <b>None</b>			
CHEMICAL FAMILY <b>N.A.</b>		FORMULA <b>NCP-2</b>	

## SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NUMBER	%W	%V	CHEMICAL NAME(S)	OSHA PEL	ACGIH TLV	Other Limits	Listed as Carcinog NTP, IARC or OS 1910(z) (specify)
64741-95-3	8		Deasphalted Residuum	N.E.	5.00	N.E.	Not Considered
64742-65-0	1		Solvent De-waxed Distillate Heavy Paraffin	N.E.	5.00	N.E.	Not Considered

\*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.

## SECTION III - PHYSICAL DATA

BOILING POINT <b>600 °F 316 °C</b>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) <b>N.A.</b>	
VAPOR PRESSURE <b>N.A.</b> @ <b> </b> °F <b> </b> °C <b> </b> mm Hg <b> </b> psi	PERCENT VOLATILE BY VOLUME (%) <b>Negligible</b>	PERCENT SOLID BY WEIGHT (%) <b>95</b>
VAPOR DENSITY (AIR = 1) <b>Heavier than air.</b>	EVAPORATION RATE (Ether = 1) <b>Slower than ether.</b>	
SOLUBILITY IN WATER <b>No</b>	PH = <b> </b>	
APPEARANCE AND ODOR <b>Red, lubricant like.</b>	MATERIAL IS: <b>SOLID</b>	

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT <b>532 °F 284 °C</b>	method used <b>COCF</b>	FLAMMABLE LIMITS <b>Not Regulated.</b>	LEL <b>None</b>	UEL <b>None</b>
EXTINGUISHING MEDIA <b>Extinguishing with dry chemical, CO<sub>2</sub>, water spray, foam, sand, or earth, and foam may cause frothing.</b>				
SPECIAL FIRE FIGHTING PROCEDURES <b>Wear a self-contained breathing apparatus and protective clothing.</b>				
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>None Known.</b>				

## SECTION V - HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS)

See Section V on page three.

CONDITIONS TO AVOID

See Section V on page three.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

See Section V on page three.

PRIMARY ROUTES OF ENTRY Inhalation  Skin Contact  Other (specify) **Eye contact, ingestion.**

EMERGENCY AND FIRST AID PROCEDURES

See Section V on page three.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

See Section V on page three.

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	<b>X</b>	<b>Avoid contact with any source of ignition.</b>

INCOMPATIBILITY (materials to avoid)

**avoid contact with strong oxidizing agents. Extended exposure to high temperatures may cause decomposition.**

HAZARDOUS DECOMPOSITION PRODUCTS:

**Normal decomposition in the presence of air may yield major amounts of oxide of carbon and minor amounts of sulfur and nitrogen.**

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	<b>X</b>	

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

**Collect leaking liquid in sealable containers. Absorb spilled liquid in sand or inert absorbent. Contact fire authorities and appropriate state/local agencies.**

WASTE DISPOSAL METHOD

**Dispose of product in accordance with local, county, state, and federal regulations.**

RCRA (Superfund) REPORTABLE QUANTITY (in lbs.)

**.A.**

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)

**.A.**

VOLATILE ORGANIC COMPOUND (VOC)  Theoretical **N.A.** lb/gal

(as packaged, minus water)

Analytical **N.A.** lb/gal

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)

**None**

VENTILATION	LOCAL EXHAUST (specify rate)	SPECIAL
	<b>None</b>	<b>None</b>
	MECHANICAL (general) (specify rate)	OTHER
	<b>None</b>	<b>None</b>

PROTECTIVE GLOVES (specify type)

See Section VIII on page three.

EYE PROTECTION (specify type)

See Section VIII on page three.

OTHER PROTECTIVE EQUIPMENT

See Section VIII on page three.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

**Store in a cool, dry location. Keep away from incompatible materials. Avoid prolonged or repeated skin contact. Wash thoroughly after handling. Do not wear oil-soaked clothing or shoes.**

OTHER PRECAUTIONS

**None**

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## SECTION V - HEALTH HAZARD DATA (Continued)

### EMERGENCY AND FIRST AID PROCEDURES

#### Eye Contact

For direct contact, flush the affected eye(s) with clean water. If irritation or redness develops, seek medical attention.

#### Skin Contact

Do not use gasolines, thinners, or solvents to remove product from skin. Wipe material from skin, and remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with soap and water and, if necessary, a waterless skin cleanser. If irritation or redness develops and persists, seek medical attention.

#### Inhalation (breathing)

If irritation of nose or throat develops, move away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, or if breathing difficulties develop, artificial respiration or oxygen should be administered by qualified personnel. Seek immediate medical attention.

#### Ingestion (swallowing)

If victim is conscious and alert, give two to three cups of milk or water to drink. Seek medical attention. To Physician—Emesis or lavage is not recommended for ingestion of minute quantities or tastes of most hydrocarbons. Medical opinion is divided for larger ingestion. Emesis or lavage has been recommended for those petroleum products which have a high oral toxicity. Gastric lavage with a cuffed endotracheal tube is recommended by some physicians to prevent aspiration.

### POTENTIAL ADVERSE HEALTH EFFECTS

#### Eye Contact

This material may cause eye irritation. Direct contact may cause burning, tearing, and redness.

#### Skin Contact

This material may cause skin irritation. Prolonged or repeated contact may cause redness, burning, and dermatitis.

#### Inhalation (breathing)

Exposure to mists, or prolonged or repeated exposure to fumes or vapors that may be generated when this material is heated, may cause irritation of nose and throat.

#### Ingestion (swallowing)

Accidental ingestion of this material may cause irritation of the digestive tract.

## SECTION VIII - SPECIAL PROTECTION INFORMATION (Continued)

### VENTILATION

If current ventilation practices are not adequate in maintaining airborne concentrations below the established exposure limits (see Section II) additional ventilation or exhaust systems may be required.

### RESPIRATORY PROTECTION

If airborne concentrations exceed recommended exposure limits, a suitable filter-type respirator should be worn (see Section II).

### PROTECTIVE GLOVES

The use of gloves, impermeable to the specific material handled, is advised to prevent skin contact and possible irritation.

### EYE PROTECTION

Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended.

### OTHER PROTECTIVE EQUIPMENT

It is suggested that a source of clean water be available in work area for flushing eyes and skin. Barrier creams that are specific for oil-base materials are recommended when gloves are impractical.