BOWMAN DISTRIBUTION
MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME Bowman Ignition Sealer	BOWMAN PART NO. 21906
SUPPLIER BOWMAN DISTRIBUTION, BARNES GROUP INC.	EMERGENCY TELEPHONE NO. (216) 391-7200
ADDRESS 850 East 72nd Street, Cleveland, OH 44103	DATE 4/25/86
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Aerosol Spray Paint, Consumer Commodity, ORM-D	
ADDITIONAL HAZARD CLASSES (as applicable) N.A.	
CHEMICAL FAMILY N.A.	FORMULA X9435

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	%V	CHEMICAL NAME(S)	TLV PPM	TLV Mg/M³	Listed as a Carcinogen in NTP, IARC or OSHA 1910(z) (specify)
1330-20-7	35-40		Xylene	100	435	No
67-64-1	30-35		Acetone	750	1780	No
—	23		Propellant: Propane/Isobutane/n-Butane	—	—	No

SECTION III - PHYSICAL DATA

BOILING POINT 133-281 °F ____ °C		SPECIFIC GRAVITY (H_2O = 1)	.84		
VAPOR PRESSURE 186 @ ____ °F 20 °C ☒ mm Hg ☐ psi		PERCENT VOLATILE BY VOLUME (%)	90	PERCENT SOLID BY WEIGHT (%)	10
VAPOR DENSITY (AIR = 1)	N.A.	EVAPORATION RATE (= 1)	N.A.		
SOLUBILITY IN WATER	N.A.	pH =	N.A.		
APPEARANCE AND ODOR Clear coating, solvent odor.				MATERIAL IS: Liquid	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT method used	FLAMMABLE LIMITS	LEL	UEL
0 °F -18 °C		1.1	N.A.

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, or Alcohol Foam

SPECIAL FIRE FIGHTING PROCEDURES
Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARDS
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 material handling point.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - Conditions to avoid Excessive inhalation of vapors — can cause nasal and respiratory irritation,	THRESHOLD LIMIT VALUE See Section II
	PERMISSIBLE EXPOSURE LIMIT
dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.	OTHER LIMIT

PRIMARY ROUTES OF ENTRY Inhalation ☒ Skin Contact ☐ Other (specify)

EMERGENCY AND FIRST AID PROCEDURES
If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration.

Keep person warm, quiet and get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Heat, sparks and open flame.

INCOMPATIBILITY (materials to avoid)
Avoid contact with: strong oxidizing agents and heat.

HAZARDOUS DECOMPOSITION PRODUCTS:
N.A.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID N.A.
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to a closed container. Eliminate all ignition sources.

WASTE DISPOSAL METHOD
Material collected on absorbent material may be deposited in a posted toxic substance landfill in accordance with local, state and federal regulations.

CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)
N.A.

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)
N.A.

VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)

☒ Theoretical 5.1 lb/gal	☐ Analytical _____ lb/gal N.A.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)
NIOSH/MSHA jointly approved self-contained breathing apparatus with a full face piece operated in pressure demand.

VENTILATION	LOCAL EXHAUST (specify rate) Sufficient to maintain exposure below TLV(s).	SPECIAL
	MECHANICAL (general) (specify rate)	OTHER

PROTECTIVE GLOVES (specify type) Chemical resistant gloves.	EYE PROTECTION (specify type) Chemical splash goggles in compliance with OSHA regulation.

OTHER PROTECTIVE EQUIPMENT
N.A.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not store in areas above 120°F or in direct sunlight or near heat or open flames.

OTHER PRECAUTIONS
Store large quantities in buildings protected for storage of NFPA Class 1C flammable liquids.