

Health	2
Flammability	4
Reactivity	0
Personal Protection	A

HMIS Ratings

# **BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET**

Health	2
Flammability	4
Reactivity	0
Specific Hazard	

NFPA Ratings

## **SECTION I**

PRODUCT NAME <b>RUST PENETRANT</b>		BOWMAN PART NO. <b>21901</b> (page 1 of 2)
SUPPLIER <b>Bowman Distribution, Barnes Group Inc.</b>		EMERGENCY TELEPHONE NO. <b>(216) 391-7200</b>
ADDRESS <b>850 East 72nd Street, Cleveland, OH 44103</b>		DATE <b>1/29/90</b>
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) <b>Consumer Commodity ORM-D UN-1954</b>		
ADDITIONAL HAZARD CLASSES (as applicable) <b>None</b>		
CHEMICAL FAMILY <b>Mixture</b>	FORMULA <b>TM-2350</b>	

## **SECTION II - HAZARDOUS INGREDIENTS**

CAS REGISTRY NUMBER	%W	%V	CHEMICAL NAME(S)	OSHA PEL	ACGIH TLV	STEL Other Limits	Listed as Carcinogen NTP, IARC or OSHA 1910(z) (specify)
8008-20-6	57		\$ Kerosene	100	100	N.E.	No
64742-88-7	16		@ Mineral Spirits	500	100	N.E.	No
Unknown	8		Oil	N.E.	5mg/m <sup>3</sup> oil mist	N.E.	No
74-98-6	19		Propane/isobutane	1000	1000	asphyxiant	No
\$ This product contains 0.5%-1.5% Xylene mix (CAS# 1330-20-7), 0.5%-1.5% Naphthalene (CAS# 91-20-3), and 0.4%-1.2% Biphenyl (CAS# 92-52-4) which are subject to the reporting requirements of Section 313 of SARA Title IV. @ Mineral Spirits may contain 3.5% 1,2,4 Trimethylbenzene (CAS# 95-63-0) which is subject to the reporting requirements of Section 313 of SARA Title IV.							

\*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 -40°F — 525°F _____ °C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	0.7	
VAPOR PRESSURE @ 70 °F _____ °C 50 mm Hg XX psi	PERCENT VOLATILE BY VOLUME (%)	N.E.	PERCENT SOLID BY WEIGHT (%) N.E.
VAPOR DENSITY (AIR = 1) Heavier than air	EVAPORATION RATE (Butyl Acetate = 1)	<1	
SOLUBILITY IN WATER NIL	PH =	N.A.	
APPEARANCE AND ODOR Clear/Solvent Odor	MATERIAL IS: Liquid & Gas		

## **SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT -40 °F _____ °C	method used T.C.C.	FLAMMABLE LIMITS	LEL 1.8	UEL 12.0
EXTINGUISHING MEDIA Use water fog, dry chemical or carbon dioxide.				
SPECIAL FIRE FIGHTING PROCEDURES Aerosol cans may rupture when heated.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Heated cans may burst.				

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

### SECTION V - HEALTH HAZARD DATA

**HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS)**  
 May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.

**CONDITIONS TO AVOID**  
 See above

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**  
 Inhalation-difficulty in breathing. Skin-redness. Ingestion-vomiting.

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

**EMERGENCY AND FIRST AID PROCEDURES**  
 Give oxygen-do not induce vomiting. Gastric lavage. Wash eyes and skin with water.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**  
 Heart disease, respiratory disorders.

### SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE	X	CONDITIONS TO AVOID
	STABLE		High temperatures

**INCOMPATIBILITY (materials to avoid)**  
 The above solvents are incompatible with strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
 In fire will decompose to carbon dioxide and water.

HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID
	WILL NOT OCCUR		None

### SECTION VII - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**  
 Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.

**WASTE DISPOSAL METHOD**  
 Dispose as hazardous waste in accordance with EPA RCRA

**CERCLA (Superfund) REPORTABLE QUANTITY (in lbs.)**  
 N.E.

**RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)**  
 D-001

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

<input checked="" type="checkbox"/> Theoretical	5.2	lb/gal
<input type="checkbox"/> Analytical		lb/gal

### SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (specify type)**  
 Self contained breathing apparatus if above TLV limit exceeding.

VENTILATION	LOCAL EXHAUST (specify rate)	SPECIAL
	MECHANICAL (general) (specify rate)	
PROTECTIVE GLOVES (specify type)	None required if spraying	OTHER
		None
OTHER PROTECTIVE EQUIPMENT		EYE PROTECTION (specify type)
Long sleeves and long pants		Wear eye protection

### SECTION IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**  
 Keep away from heat, sparks or open flame. Store at temperatures below 120°F.

**OTHER PRECAUTIONS**  
 None