

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 RUST PENETRANT		BOWMAN PART NO. 21901 (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 1/29/90
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Consumer Commodity ORM-D UN-1954		
ADDITIONAL HAZARD CLASSES (as applicable) None		
CHEMICAL FAMILY Mixture	FORMULA TM-2350	

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 ³ 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 ₂ 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.				

21901 (page 1 of 2)

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) ☒ Theoretical 5.2 lb/gal
 >90% ☐ 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
 Long sleeves and long pants

EYE PROTECTION (specify type)
 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