

Scans



BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME Rust Penetrant		BOWMAN PART NO. 21947	
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 X7448	

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	%V	CHEMICAL NAME(S)	TLV		Listed as a Carcinogen in NTP, IARC or OSHA 1910(z) (specify)
				PPM	Mg/M ³	
71-55-6	25		1,1,1 Trichloroethane	350	1900	No
	15		Propellant: Propane/Isobutane/n-Butane	-	-	No

SECTION III - PHYSICAL DATA

BOILING POINT 156-500 °F _____ °C	SPECIFIC GRAVITY (H ₂ O = 1)	1.2		
VAPOR PRESSURE @ _____ °F _____ °C <input checked="" type="checkbox"/> 100 mm Hg <input type="checkbox"/> psi	PERCENT VOLATILE BY VOLUME (%)	50	PERCENT SOLID BY WEIGHT (%)	50
VAPOR DENSITY (AIR = 1)	N.A.	EVAPORATION RATE (_____ = 1)	N.A.	
SOLUBILITY IN WATER	N.A.	pH =	N.A.	
APPEARANCE AND ODOR Clear oil, solvent odor.	MATERIAL IS: Liquid			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT _____ °F -18 °C	method used	FLAMMABLE LIMITS	LEL 8.0	UEL 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.				

21947

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - Conditions to avoid Excessive inhalation of vapors — can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.	THRESHOLD LIMIT VALUE See Section II PERMISSIBLE EXPOSURE LIMIT OTHER LIMIT
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> 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)	
<input checked="" type="checkbox"/> Theoretical <u>5.1</u> lb/gal	<input type="checkbox"/> 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.	