

Health	1
Flammability	4
Reactivity	0
Personal Protection	B

HMIS Ratings

BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

Health	2
Flammability	4
Reactivity	0
Specific Hazard	

NFPA Ratings

SECTION I

PRODUCT NAME ANTI SEIZE COMPOUND		BOWMAN PART NO. 19470 (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 1/22/90
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 X6883	

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NUMBER	%W	%V	CHEMICAL NAME(S)	PPM OSHA PEL	PPM ACGIH TLV	Mg/M ³ Other Limits	Listed as Carcinogen NTP, IARC or OSHA 1910(z) (specify)
71-55-6	25-30		*1,1,1 Trichloroethane	350	350	1900	No
67-64-1	25-30		*Acetone	750	750	1780	No
N.A.	23		Propellant; Propane/Isobutane n-butane	1000	N.E.	N.E.	No

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 133-400 °F _____ °C	SPECIFIC GRAVITY (H ₂ O = 1) 1.1
VAPOR PRESSURE 180 @ 70 °F _____ °C <input checked="" type="checkbox"/> mm Hg <input type="checkbox"/> psi	PERCENT VOLATILE BY VOLUME (%) 70-75 PERCENT SOLID BY WEIGHT (%) 25
VAPOR DENSITY (AIR = 1) >1	EVAPORATION RATE (BuAc = 1) >1
SOLUBILITY IN WATER Slight	PH = N.A.
APPEARANCE AND ODOR Lubricant Solvent odor	MATERIAL IS: Liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT >0 °F -18 °C method used Closed Cup	FLAMMABLE LIMITS LEL 1.0 UEL N.E.
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. Use self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode.	
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

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS) ACUTE: Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and asphyxiation. CHRONIC: permanent brain and nervous system damage has been reported. Overexposure to these chemicals has been found to cause damage to lungs, heart, liver, kidneys and spleen in laboratory animals. Liver abnormalities have been found in humans.	
CONDITIONS TO AVOID Excessive inhalation of vapors.	
SIGN AND SYMPTOMS OF OVEREXPOSURE Dizziness, headache, weakness, fatigue, nausea.	
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) Eye contact.	
EMERGENCY AND FIRST AID PROCEDURES If breathed: move individual to fresh air. If breathing is difficult, administer oxygen. If on skin: wash with soap and water and wash clothing before reuse. If in eyes: flush with water for 15 minutes. Get medical attention.	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Can cause allergic respiratory and/or skin reaction	

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Heat, sparks, and open flame.
	STABLE	<input checked="" type="checkbox"/>	
INCOMPATIBILITY (materials to avoid) Avoid contact with strong oxidizing agents and heat.			
HAZARDOUS DECOMPOSITION PRODUCTS: May form carbon monoxide, nitrogen compounds, etc. when burned.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	<input checked="" type="checkbox"/>	N.A.

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 600-650 grams/liter	<input checked="" type="checkbox"/> Theoretical 5.1 lb/gal <input type="checkbox"/> Analytical _____ lb/gal

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) Open windows and doors or employ sufficient ventilation to ensure fresh air entry. If irritation or dizziness is experienced, use a 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 None
	MECHANICAL (general) (specify rate) Sufficient to maintain exposure below TLV(s).	OTHER None
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.