

Health	0
Flammability	1
Reactivity	0
Personal Protection	

HMIS Ratings

BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

Health	1
Flammability	1
Reactivity	0
Specific Hazard	

NFPA Ratings

SECTION I

PRODUCT NAME ANTI-SEIZE HIGH TEMPERATURE THREAD COMPOUND		BOWMAN PART NO. 21961, 21962 (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 7/27/90
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Dot proper shipping name: Lubricant Dot hazard class: None Dot ID number: None required		
ADDITIONAL HAZARD CLASSES (as applicable) Not applicable		
CHEMICAL FAMILY Mixture - not applicable	FORMULA Mixture - not applicable	

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)
			This product consists of copper and graphite flakes suspended in a heavy petroleum carrier, and is not a hazardous material according to current U.S. Department of Labor OSHA criteria re: 29 CFR 1940.1200 Hazard Communications Law.				
			Copper, present at 22% by weight, is subject to the reporting requirements of Section 313, Title III of SARA, 40 CFR Part 372.				

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 -500 °F 260 °C	SPECIFIC GRAVITY (H ₂ O = 1) 1.26	
VAPOR PRESSURE Negligible @ 68 °F 20 °C <input checked="" type="checkbox"/> mm Hg <input type="checkbox"/> psi	PERCENT VOLATILE BY VOLUME (%) Nil	PERCENT SOLID BY WEIGHT (%) 40
VAPOR DENSITY (AIR = 1) N.A.	EVAPORATION RATE (= 1) N.A.	
SOLUBILITY IN WATER Insoluble	PH = 7.0	
APPEARANCE AND ODOR Copper colored paste, slight petrolatum odor..	MATERIAL IS: PASTE	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 310 °F 154 °C	method used C.O.C.	FLAMMABLE LIMITS	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Use CO ₂ , foam, dry chemical or water fog.				
SPECIAL FIRE FIGHTING PROCEDURES Use eye protection. Use self-contained breathing apparatus when fire fighting in confined areas.				
UNUSUAL FIRE AND EXPLOSION HAZARDS None except as for petroleum grease fires.				

SECTION V - HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS) None known or expected.	
CONDITIONS TO AVOID None known.	
SIGNS AND SYMPTOMS OF OVEREXPOSURE None known or expected.	
PRIMARY ROUTES OF ENTRY Inhalation <input type="checkbox"/> Skin Contact <input type="checkbox"/> Other (specify) None applicable.	
EMERGENCY AND FIRST AID PROCEDURES Eyes - flush with tepid water 15 minutes holding eyelids apart. Get medical attention. Skin-wash with soap and water. Ingestion-large amounts may result in diarrhea. Get medical attention; treat symptomatically.	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None known.	

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID None.
	STABLE	X	
INCOMPATIBILITY (materials to avoid) Strong oxidizing agents (peroxides, permanganates, nitric acid).			
HAZARDOUS DECOMPOSITION PRODUCTS: O, CO ₂ , and incompletely burned hydrocarbons may result from pyrolysis.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID None.
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Wipe up with rags or absorbent material. Complete clean up using detergent and water or chlorinated solvent with adequate ventilation.	
WASTE DISPOSAL METHOD Use controlled incineration or bury in a posted landfill in accordance with federal, state and local regulations.	
RCRA (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 N.A. - Product is essentially nonvolatile	<input type="checkbox"/> Theoretical ----- lb/gal <input type="checkbox"/> Analytical ----- lb/gal

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify above type) None necessary in normal use.		
VENTILATION	LOCAL EXHAUST (specify rate) Acceptable (50 f.p.m.)	SPECIAL None
	MECHANICAL (general) (specify rate) Acceptable (50 f.p.m.)	OTHER None
PROTECTIVE GLOVES (specify type) None required.		EYE PROTECTION (specify type) Sufficient to prevent contact.
OTHER PROTECTIVE EQUIPMENT None required.		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Use normal storage and handling. Do not expose to high heat, open flames or strong oxidizers.	
OTHER PRECAUTIONS Contains hydrocarbons - do not use in oxygen service. Keep out of reach of children.	