

Health	1
Flammability	1
Reactivity	0
Personal Protection	*

BOWMAN DISTRIBUTION MATERIAL SAFETY DATA SHEET

Health	1
Flammability	1
Reactivity	0
Specific Hazard	

HMS Ratings

*See Section VII.

SECTION I

NFPA Ratings
NFPA 309 Rating: 1

PRODUCT NAME AUTO GASKET (RTV RED, HI-TEMP LOW VOLATILE)		BOWMAN PART NO. 21441 (page 1 of 1)
SUPPLIER Bowman Distribution, Barnes Group Inc.	INFORMATION TELEPHONE NO. (216) 391-7200	24 HR. EMERGENCY TELEPHONE NO. (303) 623-5716
ADDRESS 850 East 72nd Street, Cleveland, OH 44103		DATE 5/12/93
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) Consumer Commodity, ORM-D, UN 1956		
ADDITIONAL HAZARD CLASSES (as applicable) None		
CHEMICAL FAMILY Mixture	FORMULA BP 266	

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NUMBER	%W	%V	CHEMICAL NAME(S)	OSHA PEL	ACGIH TLV	Other Limits	Listed as Carcinog NTP, IARC or OSHA 1910(z) (specify)
4253-34-3	2		Methyltriacetoxysilane	†See Below	†See Below	N.E.	NO
17689-77-9	2		Ethyltriacetoxysilane	†See Below	†See Below	N.E.	NO
7631-86-9	10		Amorphous Silica	6 MG/M ³	10 MG/M ³	N.E.	NO
1309-37-1	1		Iron Oxide	10 MG/M ³	10 MG/M ³	N.E.	NO
70131-67-8	85		Polymer	N.E.	N.E.	N.E.	NO
TOTAL	100						

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.

†Observe limits for acetic acid formed during curing upon exposure to water or humid air. OSHA PEL - TWA 10 ppm, ACGIH TLV - TWA 10 ppm, and STEL - 15 ppm. Outer compartment contains a hydrochlorofluorocarbon mixture.

SECTION III - PHYSICAL DATA

BOILING POINT N.A. °F _____ °C	SPECIFIC GRAVITY (H ₂ O = 1) 1.04	MAXIMUM PERCENT VOC BY WEIGHT % 4.75 Method used Calculated
VAPOR PRESSURE @ 70 °F 21 °C <input type="checkbox"/> mm Hg <input checked="" type="checkbox"/> psi <5 mm	PERCENT VOLATILE BY VOLUME (%) N.E.	
VAPOR DENSITY (AIR = 1) Heavier than air. >1	EVAPORATION RATE (Butyl Acetate = 1) N.A.	
SOLUBILITY IN WATER <0.1	PH =	PERCENT SOLID BY WEIGHT (%) >95
APPEARANCE AND ODOR Red paste/acetic acid odor.	MATERIAL IS: PASTE	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 250 °F 121 °C	method used OC	FLAMMABLE LIMITS N.D.	LEL N.D.	UEL N.D.
EXTINGUISHING MEDIA Water fog, dry chemical, or carbon dioxide.				
SPECIAL FIRE FIGHTING PROCEDURES Keep containers cool. Use equipment or shielding required to protect against bursting or venting containers.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Heated containers may burst. SiO ₂ , CO ₂ .				

SECTION V - HEALTH HAZARD DATA

HEALTH HAZARDS (ACUTE AND CHRONIC - INCLUDE TARGET ORGAN EFFECTS)
 Injury from silica dust should occur during reasonable use. If use creates respirable particles, some respiratory systems injury may occur. This product, as with any chemical, may enhance allergic conditions in certain people. No known chronic health effects, but necessary exposure to any chemical should be avoided. Cured sealant is nonhazardous.

CONDITIONS TO AVOID
 None Above.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
 Inhaling large amounts may cause digestive discomfort. Vapor overexposure may irritate nose, throat, and eyes seriously with repeated contact injury and considerable redness lasting a week or more.

PRIMARY ROUTES OF ENTRY Inhalation Skin Contact Other (specify) Ingestion

EMERGENCY AND FIRST AID PROCEDURES
 Wash eyes and skin with water for 15 minutes. Remove to fresh air.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
 None Known.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	<input checked="" type="checkbox"/>	High Temperatures.

COMPATIBILITY (materials to avoid)
 Water causes curling. Incompatible with strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:
 Sulfuric acid fumes, SiO₂, and CO₂.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	<input checked="" type="checkbox"/>	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Move product and contain for salvage disposal.

WASTE DISPOSAL METHOD
 Dispose in accordance with local, state, and federal regulations.

RCRA (Superfund) REPORTABLE QUANTITY (in lbs.)
 None

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)
 Nonhazardous in the cured state.

VOLATILE ORGANIC COMPOUND (VOC) As packaged, minus water)	<input checked="" type="checkbox"/>	Theoretical <u>0.51</u> lb/gal
	<input type="checkbox"/>	Analytical _____ lb/gal

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)
 None required, if spraying.

VENTILATION	LOCAL EXHAUST (specify rate) Yes	SPECIAL None
	MECHANICAL (general) (specify rate) None	OTHER None

PROTECTIVE GLOVES (specify type) None required, if spraying.	EYE PROTECTION (specify type) Wear eye protection.
OTHER PROTECTIVE EQUIPMENT Wearing sleeves, long pants.	WORK/HYGIENIC PRACTICES Do not smoke while using. Wash hands after using.

SECTION IX - SPECIAL PRECAUTIONS

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

OTHER PRECAUTIONS
 None