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BARNES DISTRIBUTION
**** MATERIAL SAFETY DATA SHEET ****

COARSE THREAD SEALANT

Part # MSDS21973

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: COARSE THREAD SEALANT

Product CAS: (none)

Product Code:

Synonyms: 21973; 21973A; COARSE THREAD SEALANT

Company Identification:

Name: BOWMAN DISTRIBUTION

Address: 1301 E. 9TH ST., ST. 700

Address:

City: CLEVELAND State: OH Zip: 44114

For information, call: HEALTH AND TECHNICAL CONTACTS: HEALTH ISSUES AND TECHNICAL INFORMATION
(8AM-5PM ET): 1-216-416-7200 X 5860

Emergency Number: ROCKY MOUNTAIN POISON CONTROL CENTER (24 HOURS EVERYDAY): 1-303-623-5716

Emergency Agency: CHEMTREC (24 HOURS EVERYDAY):

Number: 1-800-424-9300

MSDS Creation Date: 12/13/99

Supersedes Date: 3/18/2097

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	CAS	MIN	MAX
SILICEOUS MUSCOVITE MICA	12001-26-2	15	15
CASTOR OIL	68187-84-8	3	3
POLYETHYLENE HOMOPOLYMERS	9002-88-4	3	3
DRYING OIL POLYMER	(none)	3	3
PTFE RESIN	9002-84-0	3	3
TITANIUM DIOXIDE	13463-67-7	3	3

Miscellaneous:

INGREDIENTS:	%:
POLYETHYLENE HOMOPOLYMERS	GT 3
DRYING OIL POLYMER	GT 3
PTFE RESIN	GT 3
TITANIUM DIOXIDE	GT 3

INGREDIENT	OSHA PEL	ACGIH TLV	OTHER LIMITS
SILICEOUS MUSCOVITE MICA	3 MG/M3	20 MPPCF	
CASTOR OIL	N.D.	N.D.	
POLYETHYLENE HOMOPOLYMERS	N.D.	N.D.	
DRYING OIL POLYMER	N.D.	N.D.	
PTFE RESIN	N.D.	N.D.	

TITANIUM DIOXIDE B A R N E S D I S T R I B U T I O N
 N.D. N.D.

Lbs of VOC per Gallon Coating (minus water): 0
Coating Density (lbs/gal): 0
Solvent Density (lbs/gal): 0
Percent Solvent (volume): 0
Percent Solids (volume): 0
Percent Water (volume): 0

**** SECTION 3 - HAZARDS IDENTIFICATION ****

NFPA: Health: Fire: Reactivity: Other:
HMIS: Health: 0 Fire: 1 Reactivity: 0 Special Protection:

Miscellaneous:
APPEARANCE AND ODOR:

EMERGENCY OVERVIEW: SEE HEALTH HAZARDS BELOW.

HMIS AND NFPA HAZARD RATINGS:
CATEGORY: NFPA:
ACUTE HEALTH: N.E.
FLAMMABILITY: N.E.
REACTIVITY: N.E.

PERSONAL PROT.: *
SPECIFIC HAZ.

*SEE SECTION 8.

POTENTIAL HEALTH EFFECTS

Target Organs:
HEALTH HAZARDS (ACUTE AND CHRONIC- INCLUDE ORGAN EFFECTS): SEE BELOW.

PRIMARY ROUTES OF EXPOSURE: INHALATION.

Eye:
SIGNS AND SYMPTOMS OF OVEREXPOSURE:
ACUTE: MECHANICAL IRRITANT. CONTACT MAY CAUSE TEARING AND REDNESS.

Skin:
SIGNS AND SYMPTOMS OF OVEREXPOSURE: NOT KNOWN TO BE AN IRRITANT.

Ingestion:
SIGNS AND SYMPTOMS OF OVEREXPOSURE: MAY CAUSE NAUSEA AND VOMITING. NO SPECIFIC EFFECTS KNOWN.

Inhalation:
SIGNS AND SYMPTOMS OF OVEREXPOSURE: INHALATION OF DUST MAY CAUSE IRRITATION.

Miscellaneous:
CONDITIONS TO AVOID: AVOID PROLONGED CONTACT. AVOID INHALING VAPORS. DO NOT TAKE INTERNALLY.

B A R N E S D I S T R I B U T I O N

KEEP OUT OF REACH OF CHILDREN.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: PREEXISTING PULMONARY AND DERMATOLOGICAL DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO HAZARDOUS COMPONENTS.

CHRONIC HEALTH HAZARDS: IRRITATION AS NOTED. NAUSEA AND VOMITING FROM INGESTION.

CHRONIC OVEREXPOSURE EFFECTS: REFER TO SECTION 11.

**** SECTION 4 - FIRST AID MEASURES ****

Eye:

IMMEDIATELY FLUSH WITH PLENTY OF WATER. OBTAIN MEDICAL ATTENTION.

Skin:

FLUSH CONTAMINATED AREAS THOROUGHLY WITH WATER. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Ingestion:

IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE WATER OR MILK IF VICTIM IS CONSCIOUS AND NOT DROWSY. OBTAIN MEDICAL ATTENTION.

Inhalation:

IF EFFECTS OCCUR, REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. OBTAIN MEDICAL ATTENTION.

Notes to Physician:

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Unusual Fire and Explosion Hazards:

CLOSED CONTAINERS MAY RUPTURE OR EXPLODE (DUE TO PRESSURE BUILD-UP) WHEN EXPOSED TO EXTREME HEAT. IRRITATING AND/OR TOXIC GASES OR FUMES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.

Special Fire Fighting Procedures:

USE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER TO COOL EXPOSED CONTAINERS. WATER STREAM DIRECTED INTO FIRE MAY CAUSE FROTHING WITH SUBSEQUENT SPREAD OF FLAME.

Extinguishing Media:

FOAM, DRY CHEMICAL, AND CO2.

Flash Point:

500 F; METHOD USED: N.A.

Flammable Limits:

Lower Limit:

(%) LEL: N.A.

Upper Limit:

(%) UEL: N.A.

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AutoIgnition Temperature:

General Information:

***** SECTION 6 - ACCIDENTAL RELEASE MEASURES *****

Disposal:

WASTE DISPOSAL METHOD: REVIEW ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING HEALTH AND DISPOSAL FOR APPROPRIATE DISPOSAL PROCEDURES. INCINERATION PREFERRED.

RCRA HAZARDOUS WASTE NUMBER: NOT REGULATED.

Spills/Leaks:

RECLAIM CLEAN MATERIAL. CONTAMINATED MATERIAL SHOULD BE SWEEPED OR SHOVELED INTO APPROPRIATE WASTE CONTAINER AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

***** SECTION 7 - HANDLING and STORAGE *****

Handling:

AVOID PROLONGED OR REPEATED CONTACT. AVOID INHALING VAPORS. DO NOT TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY. STORAGE: KEEP OUT OF REACH OF CHILDREN.

Storage:

SEE "HANDLING" ABOVE.

***** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION *****

Engineering Controls:

ENGINEERING CONTROLS: LOCAL EXHAUST: GENERAL VENTILATION USUALLY ADEQUATE. MECHANICAL: GENERAL VENTILATION USUALLY ADEQUATE.

Eyes:

SAFETY GLASSES.

Skin:

PROTECTIVE GLOVES: CLEAN CLOTHING TO COVER SKIN. CLOTH OR SYNTHETIC GLOVES.

Clothing:

AND OTHER PROTECTIVE EQUIPMENT: ACCESSIBLE EYE WASH AND SAFETY SHOWER.

Respirators:

NONE NORMALLY REQUIRED UNDER GENERAL VENTILATION. USE NIOSH-APPROVED DUST/MIST RESPIRATOR WHEN GRINDING OR MACHINING CURED COMPOUND.

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**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance/Odor:
OFF-WHITE PASTE WITH NO APPRECIABLE ODOR.

pH: N.A.
Vapor Pressure: NO DATA
Vapor Density: (AIR = 1): MATERIAL IS: PASTE. HEAVIER THAN AIR.
Evaporation Rate: (N-BUTYL ACETATE = 1): LT 1 (SLOWER THAN BUTYL ACETATE).
Viscosity: HIGH
Boiling Point: N.A.
Freezing/Melting Point:
Decomposition Temperature:
Solubility: IN WATER: NEGLIGIBLE.
Specific Gravity: .96
Molecular Formula:
Molecular Weight:
Miscellaneous:
PERCENT SOLID BY WT: N.D.

% VOLATILE BY VOLUME: N.D. (CALCULATED).

VOC (AS PACKAGED MINUS WATER): N.D.

MAXIMUM PERCENT VOC BY WEIGHT: N.D.; METHOD USED: CALCULATED.

ODOR THRESHOLD: NO DATA.

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
STABLE

Conditions to Avoid:
THIS PRODUCT IS STABLE UNDER NORMAL CONDITIONS.

Incompatibilities with Other Materials:
STRONG BASES OR OXIDANTS.

Hazardous Decomposition Products:
OXIDES OF CARBON. ACRID FUMES.

Hazardous Polymerization:
WILL NOT OCCUR.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Toxicological Information:
CARCINOGENICITY: NO.

CHRONIC OVEREXPOSURE EFFECTS:

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THIS PRODUCT CONTAINS ENCAPSULATED MICA. REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO MICA MAY CAUSE DELAYED LUNG INJURY WHICH MAY RESULT IN PNEUMONCONIOSIS AND/OR POSITIVE CHEST X-RAYS. MICA CONTAINS SMALL AMOUNTS OF CRYSTALLINE SILICON DIOXIDE (QUARTZ) WHICH HAS BEEN LISTED BY IARC AND NTP AS A SUSPECTED HUMAN CARCINOGEN VIA INHALATION. NO EXPOSURE TO FREE RESPIRABLE DUST IS ANTICIPATED, HOWEVER, DURING NORMAL APPLICATION OF THIS PRODUCT. REFER TO RESPIRATORY PROTECTION SECTION FOR FURTHER REQUIREMENTS.

CALIFORNIA PROPOSITION 65: NOT KNOWN TO CONTAIN ANY SUBSTANCES LISTED BY THE STATE OF CALIFORNIA AS KNOWN TO CAUSE CANCER OR REPRODUCTIVE HARM.

INGREDIENT	ACGIH	IARC	NTP	OSHA
SILICEOUS MUSCOVITE MICA	NO	NO	NO	NO
CASTOR OIL	NO	NO	NO	NO
POLYETHYLENE HOMOPOLYMERS	NO	NO	NO	NO
DRYING OIL POLYMER	NO	NO	NO	NO
PTFE RESIN	NO	NO	NO	NO
TITANIUM DIOXIDE	NO	NO	NO	NO

***** SECTION 12 - ECOLOGICAL INFORMATION *****

Ecological Information:
NO DATA AVAILABLE.

***** SECTION 13 - OTHER PRECAUTIONS *****

Other Precautions:
HYGIENIC PRACTICES: FOLLOW GENERAL INDUSTRIAL SAFETY PRACTICES DURING USE. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEAN OR RECONDITION. DO NOT SMOKE OR EAT DURING USE.

Work/Hygienic Practices:

***** SECTION 14 - TRANSPORT INFORMATION *****

Transportation Information:
DOT SHIPPING NAME: NOT REGULATED.

HAZARD CLASS OR DIVISION: NONE.

CARTON MARKINGS: NONE.

IDENTIFICATION NUMBER: NONE.

PACKING GROUP: NONE.

LABELS: NONE.

B A R N E S D I S T R I B U T I O N

Label Information:

**** SECTION 15 - REGULATORY INFORMATION ****

Regulatory Information:
TSCA STATUS: N.A.

NSR STATUS (CANADA): N.A.

SARA TITLE III:

HAZARD CATEGORIES:
ACUTE HEALTH: YES
CHRONIC HEALTH: YES
FIRE HAZARD: YES
PRESSURE HAZARD: YES

REPORTABLE INGREDIENTS:
SECTION 302/303: NONE
SECTION 313: NONE.

CERCLA RQ: NO INFORMATION.

**** SECTION 16 - ADDITIONAL INFORMATION ****

Additional Information:
N.A.=NOT APPLICABLE
N.D.=NOT DETERMINED
N.E.=NOT ESTABLISHED

REVISION SUMMARY: THIS MSDS REPLACES THE MARCH 18, 1997 MSDS. PREPARED DECEMBER 13, 1999.