

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

LOCTITE MEDIUM STRENGTH THREAD LOCKER

Part # MSDS22004

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

MSDS Name: LOCTITE MEDIUM STRENGTH THREAD LOCKER

Product CAS: (none)

Product Code:

Synonyms: 22004; LOCTITE MEDIUM STRENGTH THREAD LOCKER

Company Identification:

Name: BOWMAN DISTRIBUTION

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

Address:

City: CLEVELAND State: OH Zip: 44114

For information, call: HEALTH ISSUES AND TECHNICAL INFORMATION (8AM-5PM ET): 1-216-416-7200 X 560

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: 12/14/1999

Supersedes Date: 3/29/1997

Miscellaneous:

PRODUCT NAME: LOCTITE (R) MEDIUM STRENGTH THREAD LOCKER.

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

Chemical Name	CAS	MIN	MAX
POLYGLYCOL DIMETHACRYLATE	25852-47-5	60	65
POLYGLYCOL OLEATE	9004-96-0	25	30
SACCHARIN	81-07-2	3	5
CUMENE HYDROPEROXIDE	80-15-9	1	3
SILICA, AMORPHOUS TREATED	112945-52-5	1	3
N,N-DIALKYL TOLUIDINES	613-48-9	1	1
TITANIUM DIOXIDE	13463-67-7	.5	.5

Miscellaneous:

INGREDIENTS	% BY WEIGHT	CAS NUMBER
N,N-DIALKYL TOLUIDINES	LT 1	613-48-9
TITANIUM DIOXIDE	LT 0.5	13463-67-7

NOTE: SEE BELOW FOR EXPOSURE LIMIT DATA FOR THESE INGREDIENTS.

EXPOSURE CONTROLS:

INGREDIENT	OSHA	ACGIH	OTHER
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	B A R N E S P E L	D I S T R I B U T I O N T L V	L I M I T S
POLYGLYCOL DIMETHACRYLATE	NONE	NONE	NONE
POLYGLYCOL OLEATE	NONE	NONE	NONE
SACCHARIN	NONE	NONE	NONE
CUMENE HYDROPEROXIDE	NONE	NONE	NONE
SILICA, AMORPHOUS TREATED	TWA 10 MG/M3	TWA 6 MG/M3	NONE
N,N-DIALKYL TOLUIDINES	NONE	NONE	NONE
TITANIUM DIOXIDE	TWA 15 MG/M3	TWA 10 MG/M3	NONE

Lbs of VOC per Gallon Coating (minus water): 1.22

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: 0 Fire: 1 Reactivity: 1 Other: N.A.

HMIS: Health: 1 Fire: 1 Reactivity: 1 Special Protection: *

Miscellaneous:

EMERGENCY OVERVIEW:

APPEARANCE AND ODOR: BLUE LIQUID, MILD ODOR.

CONDITIONS TO AVOID: AVOID PROLONGED SKIN CONTACT, KEEP AWAY FROM EYES.

HMIS HAZARD RATINGS:

CATEGORY	HMIS
PERSONAL PROT.	*

POTENTIAL HEALTH EFFECTS

Target Organs:

PRIMARY ROUTES OF EXPOSURE: N.A.

Eye:

Skin:

SIGNS AND SYMPTOMS OF OVEREXPOSURE CHRONIC HEALTH HAZARDS: MAY CAUSE DERMATITIS ON PROLONGED CONTACT IN SENSITIVE INDIVIDUALS.

HEALTH HAZARDS (ACUTE AND CHRONIC-INCLUDE ORGAN EFFECTS): MAY CAUSE DERMATITIS ON PROLONGED CONTACT IN SENSITIVE INDIVIDUALS. POLYGLYCOL DIMETHACRYLATE - ALLERGEN; POLYGLYCOL OLEATE - IRRITANT; SACCHARIN - MUTAGEN; CUMENE HYDROPEROXIDE - MUTAGEN; METHANOL - GASTROINTESTINAL, IRRITANT, NERVOUS SYSTEM, OCULAR; TITANIUM DIOXIDE - IRRITANT.

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B A R N E S D I S T R I B U T I O N
EST. ORAL LD50 GT 10000 MG/KG; EST. DERMAL LD50 GT 5000 MG/KG.

Ingestion:

Inhalation:

Miscellaneous:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN.

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

Eye:

CONTACT: FLUSH AT LEAST 15 MINUTES WITH WATER. OBTAIN MEDICAL ATTENTION.

Skin:

CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.

Ingestion:

DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.

Inhalation:

DOES NOT APPLY.

Notes to Physician:

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

Unusual Fire and Explosion Hazards:

NONE.

Special Fire Fighting Procedures:

NONE.

Extinguishing Media:

CO2, FOAM, DRY CHEMICAL.

Flash Point:

GT 200 DEG F; METHOD USED: T.C.C.

Flammable Limits:

Lower Limit:

(%): LEL N.A.

Upper Limit:

(%): UEL N.A.

AutoIgnition Temperature:

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General Information:

FLAMMABILITY LIMITS (%): N.A.

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

Disposal:

WASTE DISPOSAL METHOD: INCINERATE FOLLOWING EPA AND LOCAL REGULATIONS.

RCRA HAZARDOUS WASTE NUMBER: DOES NOT APPLY.

Spills/Leaks:

SOAK UP IN AN INERT ABSORBENT. STORE IN A PARTLY FILLED, CLOSED CONTAINER UNTIL DISPOSAL.

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

Handling:

SEE "STORAGE".

Storage:

STORE BELOW 110 DEG F TO PRESERVE SHELF LIFE. AVOID PROLONGED SKIN CONTACT. KEEP AWAY FROM EYES.

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

Engineering Controls:

LOCAL EXHAUST: DOES NOT APPLY.; MECHANICAL: N.A.

Eyes:

SAFETY GLASSES OR GOGGLES.

Skin:

PROTECTIVE GLOVES: NEOPRENE, RUBBER OR BUTYL RUBBER GLOVES.

Clothing:

OTHER PRECAUTIONS: NONE NORMALLY NEEDED.

Respirators:

NONE NORMALLY NEEDED.

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

Appearance/Odor:

BLUE LIQUID, MILD ODOR.

pH: N.A.

Vapor Pressure: 80 DEG F @ LT 5 MMHG.

Vapor Density: (AIR = 1): N.A.

Evaporation Rate: (ETHER=1): N.A.

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

Viscosity:
Boiling Point: GT 300 DEG F.
Freezing/Melting Point:
Decomposition Temperature:
Solubility: IN WATER: SLIGHT.
Specific Gravity: 1.1
Molecular Formula:
Molecular Weight:
Miscellaneous:
MATERIAL IS: LIQUID.

% VOLATILE BY VOLUME: APPROX. 5.

SPECIFIC GRAVITY (WATER = 1): 1.1 @ 75 DEG F.

% SOLID BY WEIGHT: N.A.

VOC (EPA METHOD 24): 13.3%, 146 GRAMS PER LITER.

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

Chemical Stability:
STABLE.

Conditions to Avoid:
STABILITY: DOES NOT APPLY.

POLYMERIZATION: DOES NOT APPLY.

Incompatibilities with Other Materials:
AND CONDITIONS TO AVOID: NONE.

Hazardous Decomposition Products:
IRRITATING ORGANIC VAPORS, OXIDES OF CARBON.

Hazardous Polymerization:
WILL NOT OCCUR.

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

Toxicological Information:
CARCINOGENICITY: YES.

INGREDIENT	ACGIH	IARC	NTP	OSHA
POLYGLYCOL DIMETHACRYLATES	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
POLYGLYCOL OLEATE	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
SACCHARIN	NO	YES 2B	YES	NO
CUMENE HYDROPEROXIDE	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
SILICA, AMORPHOUS TREATED	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED

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	B A R N E S	D I S T R I B U T I O N
N,N-DIALKYTOLUIDINES	NOT LISTED	NOT LISTED
TITANIUM DIOXIDE	NOT LISTED	NOT LISTED

SEE SECTION 3, "POTENTIAL HEALTH EFFECTS".

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

Ecological Information:
NO DATA AVAILABLE.

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

Other Precautions:
NONE.

Work/Hygienic Practices:

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

Transportation Information:
DOT PROPER SHIPPING NAME: UNRESTRICTED.

HAZARD CLASS OR DIVISION: DOES NOT APPLY.

CARTON MARKINGS: NONE.

IDENTIFICATION NUMBER: NONE.

PACKING GROUP: NONE.

LABELS: NONE.

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

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

CHRONIC HEALTH: YES
FIRE HAZARD: NO
PRESSURE HAZARD: NO

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

EXTREMELY HAZARDOUS SUBSTANCES: NONE.

CERCLA RQ: N.A.

**** 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 29, 1997 MSDS. PREPARED DECEMBER 14, 1999.