

BARNES DISTRIBUTION

Synonyms: 21973 21973A
MATERIAL SAFETY DATA SHEET
COARSE THREAD SEALANT

-----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: LOCTITE CORPORATION
Address: 4450 CRANWOOD PKY.
Address:
City: CLEVELAND State: OH Zip: 44128
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: 2/8/2006
Supersedes Date: 1/14/2005

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

Chemical Name	CAS	MIN	MAX
CASTOR OIL	68187-84-8	10	30
POLY(TETRAFLUOROETHYLENE)	9002-84-0	1	5
TITANIUM DIOXIDE	13463-67-7	1	5
VINYL TERPOLYMER	27360-07-2	10	30
ISOPROPYL ALCOHOL	67-63-0	30	60
TALC	14807-96-6	10	30
SILICA, QUARTZ	14808-60-7	1	1

Miscellaneous: INGREDIENT	OSHA PEL	ACGIH TLV	OTHER LIMITS
CASTOR OIL	NONE	NONE	NONE
POLY(TETRA)	NONE	NONE	NONE
TITANIUM DIOXIDE	15 MG/M3 TWA TOTAL DUST	10 MG/M3 TWA	
VINYL TERPOLYMER	NONE	NONE	NONE
ISOPROPYL ALCOHOL	400 PPM TWA 980 MG/M3 TWA	200 PPM TWA 400 PPM STEL	NONE
TALC	400 PPM TWA	2 MG/M3 TWA RESPIRABLE	
NONE	980 MG/M3 TWA	FRACTION, PARTICULATE MATTER CONTAINING NO ASBESTOS AND	

<1%

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SILICA, QUARTZ	0.1MG/M3 TWA (RESPIRABLE)	CRYSTALLINE SILICA 0.05 MG/M3 TWA RESPIRABLE FRACTION
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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: 2 Fire: 3 Reactivity: 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:

INHALATION, INGESTION, EYE CONTACT, SKIN CONTACT

Eye:

VAPORS MAY IRRITATE EYES. CONTACT WITH EYES WILL CAUSE IRRITATION.

Skin:

IRRITATION TO SKIN.

Ingestion:

CONTAINS MATERIAL THAT MAY BE SLIGHTLY TOXIC.

Inhalation:

VAPORS MAY CAUSE HEADACHES, NAUSEA, DIZZINESS AND RESPIRATORY TRACT IRRITATION.

Miscellaneous:

CONDITIONS TO AVOID: AVOID PROLONGED CONTACT. AVOID INHALING VAPORS.
DO

NOT TAKE INTERNALLY. 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.

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CHRONIC OVEREXPOSURE EFFECTS: REFER TO SECTION 11.

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

Eye:

IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION.

Skin:

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

Ingestion:

IF SWALLOWED, DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. 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:

NONE

Special Fire Fighting Procedures:

N/A

Extinguishing Media:

DRY CHEMICAL, AND CO2 WATER SPRAY OR 'ALCOHOL' FOAM.

Flash Point:

23.3 C (74F) TAGLIABUE CLOSED CUP

Flammable Limits:

Lower Limit:

(%) LEL: 2.3%

Upper Limit:

(%) UEL: 12.7%

AutoIgnition Temperature:

398.3 C (750 C) ESTIMATED

General Information:

HAZARDOUS COMBUSTION PRODUCTS: TOXIC FLUORIDES.

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

Disposal:

SEE BELOW

Spills/Leaks:

REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA. SOAK UP WITH INERT ABSORBENT MATERIAL (R.G. SAND, SILICA GEL, ACID BINDER, UNIVERSAL BINDER, SAWDUST). CONTAIN THE SPILL IN A CLOSED CONTAINER UNTIL DISPOSAL.

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

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

Handling:

AVOID PROLONGED OR REPEATED CONTACT. AVOID INHALING VAPORS. KEEP AWAY FROM HEAT, SPARK AND FLAMES, OR OTHER SOURCES OF IGNITION. DO NOT TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY. STORAGE: STORE AWAY FROM HEAT, SPARK, FLAMES. KEEP OUT OF REACH OF CHILDREN.

Storage:

SEE "HANDLING" ABOVE.

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

Engineering Controls:

USE LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS.

Eyes:

SAFETY GLASSES.

Skin:

PROTECTIVE GLOVES: CHEMICAL RESISTANT, IMPERMEABLE 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.

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

Appearance/Odor:

APPEARANCE: WHITE

ODOR: ALCOHOL

pH: N.A.

Vapor Pressure: 33 MMHG @ 20 C (68 DEG F)

Vapor Density: 2.0

Evaporation Rate: 7.7 (ETHER=1)

Viscosity: HIGH

Boiling Point: 82.2 C 180 DEG F

Freezing/Melting Point: N.D.

Decomposition Temperature: N/A

Solubility: IN WATER: PARTIAL

Specific Gravity: 1.12

Molecular Formula: N/A

Molecular Weight: N/A

Miscellaneous:

VOC CONTENT: 37.9%; 424 GRAM/LITER (EPA METHOD 24)

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

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Chemical Stability:

STABLE

Conditions to Avoid:

THIS PRODUCT IS STABLE UNDER NORMAL CONDITIONS.

Incompatibilities with Other Materials:

HEAT, FUMES, SPARKS AND OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products:

TOXIC FLUORIDES.

Hazardous Polymerization:

WILL NOT OCCUR.

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

Toxicological Information:

INGREDIENT	ACGIH	IARC	NTP	OSHA
POLY (TETRAFLOR)	NO	NO	NO	NO
CASTOR OIL	NO	NO	NO	NO
TALC	NO	NO	NO	NO
VINYL TERPOLYMER	NO	NO	NO	NO
SILICA, QUARTZ	NO	NO	NO	NO
TITANIUM DIOXIDE	NO	NO	NO	NO
ISOPROPYL ALCOHOL	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. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

EPA HAZARDOUS WASTE NUMBER: D001: IGNITABLE

Work/Hygienic Practices:

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

Transportation Information:

DOT SHIPPING NAME: NOT REGULATED.

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

HAZARD CLASS OR DIVISION: NONE.

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

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