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PRODUCT NAME: Loctite 242 Threadlocker Medium Strength
ISSUED: 05/21/2009
REVISION NUMBER: 005.2
Item number: 24205
Region: United States
PHONE INFO: 860.571.5100
EMERGENCY PHONE: 860.571.5100
Web Site: www.henkelna.com
MSDS Manufacturer Number: 230718
ADDRESS: Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067
Product Information: Anaerobic Sealant
TRADE NAME: Loctite(R) 242(R) Threadlocker Medium Strength

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Ingredient Percent
Polyglycol dimethacrylate	25852-47-5	60 - 100 by Weight
Oleic acid 5.5EO	9004-96-0	10 - 30 by Weight
Saccharin	81-07-2	1-5 by Weight
Silica, amorphous, fumed, crystal-free	112945-52-5	1-5 by Weight
Cumene hydroperoxide	80-15-9	1-5 by Weight
Propanediol-1,2	57-55-6	1-5 by Weight
Titanium dioxide	13463-67-7	0.1 - 1 by Weight

SECTION 3 - HAZARDS IDENTIFICATION

COLOR: Blue
ODOR: Mild
PHYSICAL STATE: Liquid
EMERGENCY OVERVIEW: **WARNING: CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE RESPIRATORY TRACT IRRITATION.**
ROUTES OF ENTRY: Skin, Inhalation, Eyes
Hazards Comments: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). See Section 11 for additional toxicological information.
AGGRAVATION OF CONDITIONS: Eye, skin, and respiratory disorders.
INHALATION: May cause respiratory tract irritation.
SKIN CONTACT: May cause allergic skin reaction. May cause skin irritation.
EYE CONTACT: Contact with eyes will cause irritation.
INGESTION: Not expected to be harmful by ingestion.

SECTION 4 - FIRST AID MEASURES

INGESTION: Do not induce vomiting. Keep individual calm. Get medical attention.
EYE CONTACT: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
INHALATION: Move to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Keep warm and quiet. Get medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapours.
Flame Projection: Not applicable
EXTINGUISHING MEDIA: Foam, dry chemical or carbon dioxide.
FLAMMABLE LIMITS - UEL: 12.5 % (propylene glycol)
FLASH POINT: > 93.3 deg C (> 199.94 deg F) Tagliabue closed cup
AUTOIGNITION TEMPERATURE: Not determined
FLAMMABLE LIMITS - LEL: 2.6 % (propylene glycol)

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Notes: Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.
SPILL CLEAN UP MEASURES: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal.

ENVIRONMENTAL DATA: Do not allow product to enter sewer or waterways.

SECTION 7 - HANDLING and STORAGE

Handling Notes: For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

STORAGE: For safe storage, store at or below 38 deg C (100.4 deg F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

HANDLING: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Ingredient Guideline Notes: Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

EYE PROTECTION: Safety goggles or safety glasses with side shields.

SKIN PROTECTION: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

RESPIRATORY PROTECTION: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

ENGINEERING CONTROLS: No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.

Ingredient: Polyglycol dimethacrylate

ACGIH TLV - TWA: None

OSHA PEL (TWA): None

AIHA WEEL: None

OTHER: None

Ingredient: Oleic acid 5.5EO

ACGIH TLV - TWA: None

OSHA PEL (TWA): None

AIHA WEEL: None

OTHER: None

Ingredient: Saccharin

ACGIH TLV - TWA: None

OSHA PEL (TWA): None

AIHA WEEL: None

OTHER: None

Ingredient: Silica, amorphous, fumed, crystal-free

ACGIH TLV - TWA: 10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.

OSHA PEL (TWA): 20 MPPCF TWA 0.8 mg/m3 TWA

AIHA WEEL: None

OTHER: None

Ingredient: Cumene hydroperoxide

ACGIH TLV - TWA: None

OSHA PEL (TWA): None

AIHA WEEL: 1 ppm (6 mg/m3) TWA (SKIN)

OTHER: None

Ingredient: Propanediol-1,2

ACGIH TLV - TWA: None

OSHA PEL (TWA): None

AIHA WEEL: 10 mg/m3 TWA Aerosol.

OTHER: None

Ingredient: Titanium dioxide

ACGIH TLV - TWA: 10 mg/m3 TWA

OSHA PEL (TWA): 15 mg/m3 TWA Total dust.

AIHA WEEL: None

OTHER: None

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Blue

ODOR: Mild

VAPOR PRESSURE: < 5 mm hg (27 deg C (80.6 deg F))

pH: Not applicable

BOILING POINT: > 149 deg C (> 300.2 deg F)

MELTING POINT: Not available

SPECIFIC GRAVITY: 1.1 at 23.9 deg C (75.02 deg F)

VAPOR DENSITY: Not available

EVAPORATION RATE: Not available

SOLUBILITY IN WATER: Slight

Kow - Oct/Water partition coef: Not available

VOLATILE ORGANIC COMPOUNDS: 4.48 %; 49.3 g/l EPA Method 24

ODOR THRESHOLD: Not available

Flash Point: > 93.3 deg C (> 199.94 deg F) Tagliabue closed cup Flame Projection: Not applicable

Flammable Limits - LEL: 2.6 % (propylene glycol)

Flammable Limits - UEL: 12.5 % (propylene glycol)

Autoignition temperature: Not determined

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapours.

INCOMPATIBLE MATERIALS:	Strong oxidizing agents. Free radical initiators. Strong reducing agents. Alkalis. Oxygen scavengers. Other polymerization initiators. Copper. Iron. Zinc. Aluminum. Rust.
CONDITIONS TO AVOID:	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).
DANGEROUS REACTIONS:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Health Effects/Target Organs:	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Chemical Name:	Silica, amorphous, fumed, crystal-free
Health Effects/Target Organs:	Nuisance dust
Chemical Name:	Cumene hydroperoxide
Chemical Name:	Oleic acid 5.5EO
Health Effects/Target Organs:	Irritant
Chemical Name:	Saccharin
Health Effects/Target Organs:	No Target Organs
Chemical Name:	Polyglycol dimethacrylate
Health Effects/Target Organs:	Irritant, Allergen
Health Effects/Target Organs:	Irritant
Chemical Name:	Titanium dioxide
Health Effects/Target Organs:	Irritant, Respiratory
Chemical Name:	Propanediol-1,2
OSHA:	No
IARC:	Group 2B
NTP:	No
Chemical Name:	Titanium dioxide
OSHA:	No
IARC:	No
NTP:	No
Chemical Name:	Propanediol-1,2
OSHA:	No
IARC:	No
NTP:	No
Chemical Name:	Cumene hydroperoxide
OSHA:	No
IARC:	No
NTP:	No
Chemical Name:	Silica, amorphous, fumed, crystal-free
OSHA:	No
IARC:	No
NTP:	No
Chemical Name:	Saccharin
OSHA:	No
IARC:	No
NTP:	No
OSHA:	No
Chemical Name:	Oleic acid 5.5EO
IARC:	No
NTP:	No
Chemical Name:	Polyglycol dimethacrylate
SKIN CONTACT:	LD50 (rabbit) > 5,000 mg/kg
INGESTION:	LD50 (rat) > 10,000 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	Not available
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SECTION 13 - DISPOSAL CONSIDERATIONS

EPA Hazardous Waste Number (RCRA):	Not a RCRA hazardous waste.
Disposal Notes:	Information provided is for unused product only.
WASTE DISPOSAL:	Follow all local, state, federal and provincial regulations for disposal.

SECTION 14 - TRANSPORT INFORMATION

IMDG Packing group:	None
IMDG Class:	None
IMDG UN Number:	None
IMDG Proper shipping name:	Not regulated
IATA Proper shipping name:	Not regulated
IATA Class:	None
IATA UN Number:	None
IATA Packing group:	None
DOT Identification number:	None
DOT Packing group:	None
DOT Hazard class:	None
DOT Proper shipping name:	Not regulated
Transportation Information:	The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

SECTION 15 - REGULATORY INFORMATION

DSL/NDSL:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
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WHMIS:	D.2.A, D.2.B
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
SECTION 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Cumene hydroperoxide (CAS# 80-15-9).
SECTION 302 EHS:	None above reporting de minimus
311/312 Hazard Categories:	Immediate Health, Delayed Health
TSCA INVENTORY STATUS:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA EXPORT NOTIFICATION:	None above reporting de minimus

SECTION 16 - ADDITIONAL INFORMATION

HMIS - HEALTH:	*2
HMIS - FLAMMABILITY:	1
HMIS - REACTIVITY:	1
HMIS - PERSONAL PROTECTION:	See MSDS Section 8
COMMENTS:	This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.
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