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## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** LOCTITE 271 THREADLOCKER HIGH STRENGTH PART NO. 27131  
**REVISION NUMBER:** 004.3  
**ISSUED:** 06/01/2009  
**MSDS Manufacturer Number:** 135381  
**Web Site:** www.henkelna.com  
**EMERGENCY PHONE:** 860.571.5100  
**PHONE INFO:** 860.571.5100  
**Region:** United States  
**Item number:** 27131  
**Product Information:** Anaerobic Sealant  
**ADDRESS:** Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067  
**TRADE NAME:** LOCTITE® 271, Loctite® THREADLOCKER HIGH STRENGTH PART NO. 27131

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Ingredient Percent
Polyglycol dimethacrylate	25852-47-5	60 - 100 by Weight
Bisphenol A fumarate resin	39382-25-7	10 - 30 by Weight
Saccharin	81-07-2	1-5 by Weight
Cumene hydroperoxide	80-15-9	1-5 by Weight

## SECTION 3 - HAZARDS IDENTIFICATION

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

## 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:** Remove contaminated clothing and footwear. Wash with soap and water. Wash clothing before reuse. If symptoms develop and persist, get medical attention.  
**INHALATION:** Move to fresh air. If symptoms develop and persist, get medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

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

## 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.
<b>STORAGE:</b>	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.
<b>HANDLING:</b>	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

<b>Ingredient Guideline Notes:</b>	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.
<b>EYE PROTECTION:</b>	Safety goggles or safety glasses with side shields.
<b>SKIN PROTECTION:</b>	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Butyl rubber gloves. Natural rubber gloves. Neoprene gloves.
<b>RESPIRATORY PROTECTION:</b>	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Use a NIOSH approved air-purifying respirator with an organic vapor cartridge.
<b>ENGINEERING CONTROLS:</b>	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
<b>Ingredient:</b>	Polyglycol dimethacrylate
<b>ACGIH TLV - TWA:</b>	None
<b>OSHA PEL (TWA):</b>	None
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Bisphenol A fumarate resin
<b>ACGIH TLV - TWA:</b>	None
<b>OSHA PEL (TWA):</b>	None
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Saccharin
<b>ACGIH TLV - TWA:</b>	None
<b>OSHA PEL (TWA):</b>	None
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Cumene hydroperoxide
<b>ACGIH TLV - TWA:</b>	None
<b>OSHA PEL (TWA):</b>	None
<b>AIHA WEEL:</b>	1 ppm (6 mg/m <sup>3</sup> ) TWA (SKIN)
<b>OTHER:</b>	None

#### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid
<b>COLOR:</b>	Red
<b>ODOR:</b>	Mild
<b>VAPOR PRESSURE:</b>	< 5 mm hg (26.7 deg C (80.1 deg F))
<b>pH:</b>	Not applicable
<b>BOILING POINT:</b>	> 148.9 deg C (> 300 deg F)
<b>MELTING POINT:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	1.1
<b>VAPOR DENSITY:</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>SOLUBILITY IN WATER:</b>	Slight
<b>Kow - Oct/Water partition coef:</b>	Not available
<b>VOLATILE ORGANIC COMPOUNDS:</b>	0.82 %; 7.81 g/l
<b>ODOR THRESHOLD:</b>	Not available
<b>Flash Point:</b>	> 93.3 deg C (> 199.94 deg F) Tagliabue closed cup
<b>Flammable Limits - LEL:</b>	Not available
<b>Flammable Limits - UEL:</b>	Not available
<b>Autoignition temperature:</b>	Not available

#### SECTION 10 - STABILITY and REACTIVITY

<b>DANGEROUS REACTIONS:</b>	Will not occur.
<b>CONDITIONS TO AVOID:</b>	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).
<b>INCOMPATIBLE MATERIALS:</b>	Strong oxidizing agents. Strong acids. Copper Iron. Strong reducing agents. Rust.
<b>STABILITY:</b>	Stable
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Phenolics. Oxides of sulfur. Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Chemical Name:</b>	Cumene hydroperoxide
<b>Health Effects/Target Organs:</b>	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
<b>Health Effects/Target Organs:</b>	Irritant, Allergen
<b>Chemical Name:</b>	Saccharin
<b>Health Effects/Target Organs:</b>	No Target Organs
<b>Chemical Name:</b>	Polyglycol dimethacrylate
<b>Health Effects/Target Organs:</b>	Irritant, Allergen
<b>Chemical Name:</b>	Bisphenol A fumarate resin
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Cumene hydroperoxide

OSHA:	No
IA RC:	No
NTP:	No
Chemical Name:	Saccharin
OSHA:	No
IA RC:	No
NTP:	No
Chemical Name:	Bisphenol A fumarate resin
OSHA:	No
IA RC:	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

Disposal Notes:	Information provided is for unused product only.
EPA Hazardous Waste Number (RCRA):	Not a RCRA hazardous waste.
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 Packing group:	None
IATA Class:	None
IATA UN Number:	None
IATA Proper shipping name:	Not regulated
DOT Packing group:	None
DOT Hazard class:	None
DOT Identification number:	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

CERCLA:	Saccharin (CAS# 81-07-2) 100 lbs. (45.4 kg) Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg)
WHMIS:	D.2.B
DSL/NDSL:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.
311/312 Hazard Categories:	Immediate Health, Delayed Health
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).
TSCA EXPORT NOTIFICATION:	None above reporting de minimus
SECTION 302 EHS:	None above reporting de minimus
TSCA INVENTORY STATUS:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

## 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: 8
MSDS AUTHOR:	Kyra Kozak Woods, Manager, Regulatory Affairs
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