



Revision Number: 005.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE® GASKET ELIMINATOR® 510™	IDH number:	234225
Product type:	Anaerobic Sealant	Item number:	51041
Company address:	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Region:	United States
		Contact information:	Telephone: 860.571.5100
			MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711
			TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887
			Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Gel	HEALTH:	*3
Color:	Pink	FLAMMABILITY:	1
Odor:	Mild	PHYSICAL HAZARD:	1
		Personal Protection:	See MSDS Section 8

WARNING: HARMFUL IF INHALED.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
CAUSES EYE IRRITATION.

Relevant routes of exposure: Lungs, Eyes, Skin

Potential Health Effects

Inhalation:	May be toxic if inhaled. May cause respiratory tract irritation.
Skin contact:	May cause allergic skin reaction.
Eye contact:	Contact with eyes will cause irritation.
Ingestion:	Not expected to be harmful by ingestion.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Polyglycol dimethacrylate	25852-47-5	30 - 60
Bisphenol A fumarate resin	39382-25-7	10 - 30
Adipic acid polymer with neopentylglycol, 1,4-butanediol and isononanol	208945-12-4	10 - 30
1,1'-(methylenedi-p-phenylene)bismaleimide	13676-54-5	5 - 10
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
Saccharin	81-07-2	1 - 5
Cumene hydroperoxide	80-15-9	1 - 5
1-Acetyl-2-phenylhydrazine	114-83-0	0.1 - 1

4. FIRST AID MEASURES

Inhalation:	If symptoms develop and persist, get medical attention. Move to fresh air.
Skin contact:	Wash with soap and water. If symptoms develop and persist, get medical attention. Remove contaminated clothing and footwear. Wash clothing before reuse.
Eye contact:	Get medical attention. Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time.
Ingestion:	Get medical attention. Do not induce vomiting. Keep individual calm.

5. FIRE FIGHTING MEASURES

Flash point:	> 93.3 °C (> 199.94 °F) None
Autoignition temperature:	Not available
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of sulfur. Oxides of nitrogen. Oxides of carbon. Irritating organic vapours.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Store in a partly filled, closed container until disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.
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Storage:

For safe storage, store between 0 °C (32°F) and 38 °C (100.4 °F)
 Keep in a cool, well ventilated area away from heat, sparks and open flame.
 Keep container tightly closed until ready for use.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polyglycol dimethacrylate	None	None	None	None
Bisphenol A fumarate resin	None	None	None	None
Adipic acid polymer with neopentylglycol, 1,4-butanediol and isononanol	None	None	None	None
1,1'-(methylenedi-p-phenylene)bismaleimide	None	None	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m3 TWA	None	None
Saccharin	None	None	None	None
Cumene hydroperoxide	None	None	1 ppm (6 mg/m3) TWA (SKIN)	None
1-Acetyl-2-phenylhydrazine	None	None	None	None

Engineering controls:

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

Respiratory protection:

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

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Gel
Color:	Pink
Odor:	Mild
Odor threshold:	Not available
pH:	Not applicable
Vapor pressure:	< 5 mm hg (80 °F (26.7 °C))
Boiling point/range:	> 300 °F (> 148.9 °C) None
Melting point/ range:	Not available
Specific gravity:	1.1784
Vapor density:	Not available
Flash point:	> 93.3 °C (> 199.94 °F) None
Flammable/Explosive limits - lower:	Not available
Flammable/Explosive limits - upper:	Not available
Autoignition temperature:	Not available
Evaporation rate:	Not available
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not available
VOC content:	< 4 % (calculated)

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Irritating organic vapours. Oxides of sulfur. Oxides of carbon. Oxides of nitrogen.
Incompatible materials:	Strong oxidizing agents.
Conditions to avoid:	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Acute oral product toxicity: LD50 (rat) > 10,000 mg/kg

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Polyglycol dimethacrylate	No	No	No
Bisphenol A fumarate resin	No	No	No
Adipic acid polymer with neopentylglycol, 1,4-butanediol and isononanol	No	No	No
1,1'-(methylenedi-p-phenylene)bismaleimide	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
Saccharin	No	No	No
Cumene hydroperoxide	No	No	No
1-Acetyl-2-phenylhydrazine	No	No	No

Hazardous components	Health Effects/Target Organs
Polyglycol dimethacrylate	Irritant, Allergen
Bisphenol A fumarate resin	No Target Organs
Adipic acid polymer with neopentylglycol, 1,4-butanediol and isononanol	No Data
1,1'-(methylenedi-p-phenylene)bismaleimide	No Target Organs
Silica, amorphous, fumed, crystal-free	Nuisance dust
Saccharin	No Target Organs
Cumene hydroperoxide	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
1-Acetyl-2-phenylhydrazine	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

International Air Transportation (ICAO/IATA)

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Diphenylmethane Bismaleimide)
Hazard class or division: 9
Identification number: UN 3082
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diphenylmethane Bismaleimide)
Hazard class or division: 9
Identification number: UN 3082
Packing group: III
Marine pollutant: Diphenylmethane Bismaleimide

15. REGULATORY INFORMATION**United States Regulatory Information**

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification: None above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Delayed Health, Immediate Health
CERCLA/SARA 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).
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.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
WHMIS hazard class: D.1.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format. 2

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