



# Safety Data Sheet



#### Revision Number: 009.0

### **1. PRODUCT AND COMPANY IDENTIFICATION**

IDH number:

Product name:

Product type/use:

Restriction of Use:

Company address:

Henkel Corporation

Rocky Hill, Connecticut 06067

One Henkel Way

LOCTITE 515 GASKET MAKER known as Gasket Eliminator(R) 515 Flang Anaerobic Adhesive None identified

209756

Item number:51517Region:United StatesContact information:Telephone: +1 (860) 571-5100MEDICAL EMERGENCY Phone: Poison Control Center1-877-671-4608 (toll free) or 1-303-592-1711TRANSPORT EMERGENCY Phone: CHEMTREC1-800-424-9300 (toll free) or 1-703-527-3887Internet: www.henkelna.com

### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW		
DANGER:	CAUSES SKIN IRRITATION.	
	MAY CAUSE AN ALLERGIC SKIN REACTION.	
	CAUSES SERIOUS EYE DAMAGE.	
	SUSPECTED OF CAUSING CANCER.	
	MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR	
	REPEATED EXPOSURE.	

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1
CARCINOGENICITY	2
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2

PICTOGRAM(S)	

#### **Precautionary Statements**

Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection.
Response:	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing.
Storage:	Store locked up.
Disposal:	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

#### See Section 11 for additional toxicological information.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*	
Polyurethane methacrylate resin	Unknown	60 - 80	
Silica, amorphous, fumed, crystfree	112945-52-5	5 - 10	
Acrylic acid	79-10-7	1 - 5	
Cumene hydroperoxide	80-15-9	1 - 5	
Saccharin	81-07-2	1 - 5	
2-Hydroxyethyl methacrylate	868-77-9	0.1 - 1	
Ethylene glycol	107-21-1	0.1 - 1	
Cumene	98-82-8	0.1 - 1	
1-Acetyl-2-phenylhydrazine	114-83-0	0.1 - 1	
methacrylic acid	79-41-4	0.1 - 1	

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4.	FIRST AID MEASURES
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.
Symptoms:	See Section 11.
5. FI	RE FIGHTING MEASURES
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray.
Unusual fire or explosion hazards:	Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.

Hazardous combustion products:

# vapours.

Oxides of sulfur. Oxides of carbon. Oxides of nitrogen. Irritating organic

# 6. ACCIDENTAL RELEASE MEASURES

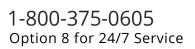
Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean- up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.
7.	HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.
Storage:	For safe storage, store between 0 °C (32°F) and 32 °C (89.6 °F) Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
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# 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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Polyurethane methacrylate resin	None	None	None	None
Silica, amorphous, fumed, crystfree	3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	20 MPPCF TWA 0.8 mg/m3 TWA 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Acrylic acid	2 ppm TWA (SKIN)	None	None	1 ppm TWA 3 ppm STEL (SKIN)
Cumene hydroperoxide	None	None	1 ppm (6 mg/m3) TWA (SKIN)	None
Saccharin	None	None	None	None
2-Hydroxyethyl methacrylate	None	None	None	None
Ethylene glycol	25 ppm TWA Vapor fraction 50 ppm STEL Vapor fraction 10 mg/m3 STEL Aerosol, inhalable.	None	None	None
Cumene	5 ppm TWA	50 ppm (245 mg/m3) PEL (SKIN)	None	None
1-Acetyl-2-phenylhydrazine	None	None	None	None
methacrylic acid	20 ppm TWA	None	None	None

**Engineering controls:** 

Respiratory protection:

Eye/face protection:

Skin protection:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit.

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Neoprene gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Color: Odor<sup>.</sup> Odor threshold: pH: pH: Vapor pressure: Boiling point/range: Melting point/ range: Specific gravity: Vapor density: Flash point: Flammable/Explosive limits - lower: Flammable/Explosive limits - upper: Autoignition temperature: Flammability: Evaporation rate: Solubility in water:

Gel, Liquid Purple Sharp Not available. Not applicable Mixture is non-polar/aprotic., Not applicable < 10 mm hg (80 °F (26.7 °C)) > 300 °F (> 148.9 °C)None Not available. 1.1 Not available. > 93.3 °C (> 199.94 °F) Not available. Not available. Not available. Not applicable Not available. Slight

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www.rudolphbros.com rbcsupport@rudbro.com Not available. 1.41 %; 15.4 g/l Not available. Not available.

	10. STABILITY AND REACTIVITY
Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.
Hazardous decomposition products:	Oxides of sulfur. Oxides of carbon. Oxides of nitrogen. Irritating organic vapours.
Incompatible materials:	Strong oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

# **11. TOXICOLOGICAL INFORMATION**

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion

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Inhalation:

Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause nose, throat and lung irritation. May cause allergic skin reaction. This product may be severely irritating to the skin. Skin contact: Causes serious eye damage. May cause gastrointestinal tract irritation if swallowed. Eye contact: Ingestion:

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects	
Polyurethane methacrylate resin	None	Irritant, Allergen	
Silica, amorphous, fumed, crystfree	None	No Data	
Acrylic acid	Oral LD50 (Rat) = 33.5 mg/kg         Oral LD50 (Mouse) = 2,400 mg/kg         Oral LD50 (Rat) = 2.5 g/kg         Oral LD50 (Rat) = 193 mg/kg         Oral LD50 (Rat) = 193 mg/kg         Oral LD50 (Rat) = 1,250 mg/kg         Inhalation LC50 (Rat, 4 h) = 3.6 mg/l         Inhalation LC50 (Rat, 4 h) = > 3.9 - < 4.8 mg/l		
Cumene hydroperoxide None		Allergen, Central nervous system, Corrosive, Irritant, Mutagen	
Saccharin	Oral LD50 (Mouse) = 17 g/kg	No Target Organs	
2-Hydroxyethyl methacrylate	Oral LD50 (Rat) = 11.2 g/kg Oral LD50 (Rat) = 5,050 mg/kg	Irritant, Allergen	
Ethylene glycol	Oral LD50 (Rat) = 5.89 g/kg Oral LD50 (Mouse) = 14.6 g/kg Dermal LD50 (Rabbit) = 9,530 mg/kg	Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic	
Cumene	Oral LD50 (Rat) = 2.91 g/kg Oral LD50 (Rat) = 1,400 mg/kg	Central nervous system, Irritant, Lung	
1-Acetyl-2-phenylhydrazine	Oral LD50 (Mouse) = 270 mg/kg	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity	
methacrylic acid	Oral LD50 (Mouse) = 1,332 mg/kg Oral LD50 (Mouse) = 1,600 mg/kg Oral LD50 (Mouse) = 1,250 mg/kg Oral LD50 (Rabbit) = 1,200 mg/kg Oral LD50 (Rat) = 1,060 mg/kg Oral LD50 (Rat) = 2,224 mg/kg Dermal LD50 (Rabbit) = 500 mg/kg	Corrosive, Irritant, Allergen	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Polyurethane methacrylate resin	No	No	No
Silica, amorphous, fumed, crystfree	No	No	No
Acrylic acid	No	No	No
Cumene hydroperoxide	No	No	No
Saccharin	No	No	No
2-Hydroxyethyl methacrylate	No	No	No
Ethylene glycol	No	No	No
Cumene	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	No
1-Acetyl-2-phenylhydrazine	No	No	No
methacrylic acid	No	No	No

## **12. ECOLOGICAL INFORMATION**

**Ecological information:** 

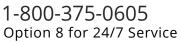
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# **13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

Recommended method of disposal	Follow all local, state, federal and provincial regulations for disposal.	
14. TRANSPORT INFORMATION		
The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.		
U.S. Department of Transportation G	iround (49 CFR)	
Proper shipping name:	RQ, Environmentally hazardous substance, liquid, n.o.s.	
Hazard class or division:	9	
Identification number:	UN 3082	
Packing group:		
DOT Hazardous Substance(s	alpha,alpha-Dimethylbenzylhydroperoxide	
International Air Transportation (ICA	Ο/ΙΑΤΑ)	
Proper shipping name:	, RQ, Environmentally hazardous substance, liquid, n.o.s.	
Hazard class or division:	9	
Identification number:	UN 3082	
Packing group:	III	
Water Transportation (IMO/IMDG)		
Proper shipping name:	RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	
Hazard class or division:	9	
Identification number:	UN 3082	
Packing group:	III	
1	5. REGULATORY INFORMATION	
ited States Regulatory Information		
TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.	
TSCA 12 (b) Export Notification:	None above reporting de minimis	
CERCLA/SARA Section 302 EHS:	None above reporting de minimis.	
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health	
CERCLA/SARA 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). Acrylic acid (CAS# 79-10-7). Cumene hydroperoxide (CAS# 80-15-9).	

CERCLA Reportable quantity:	Saccharin (CAS# 81-07-2). Cumene (CAS# 98-82-8). Cumene hydroperoxide (CAS# 80-15-9) 10 lbs. (4.54 kg)
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/NDSL Status:
 All components are listed on or are exempt from listing on the Canadian Domestic

 Substances List.
 Substances List.

## **16. OTHER INFORMATION**

This safety data sheet contains changes from the previous version in sections: 2, 3, 8, 11, 13, 15

Prepared by: Product Safety and Regulatory Affairs

Issue date: 12/01/2021

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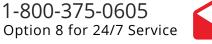
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