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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE® 515™ GASKET ELIMINATOR® FLANGE SEALANT PART NO. 51531	Item No. :	51531 / IDH No. 135479
Product Use:	Sealant	Region:	Canada
Company address:	Henkel Canada Corporation 2225 Meadowpine Boulevard Mississauga, Ontario L5N 7P2	Contact Information:	Telephone: (905) 814-6511 Emergency telephone: (905) 814-6511 Internet: www.henkeln.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Polyurethane methacrylate resin PROPRIETARY	60-100	None	None	None
Silica, amorphous, fumed, crystalline-free 112945-52-5	5-10	10mg/m ³ TWA inhalable 3mg/m ³ TWA respirable	6mg/m ³ TWA	None
Polyglycol dimethacrylate 25852-47-5	10-30	None	None	None
Acrylic acid 79-10-7	1-5	2 ppm TWA (skin)	10 ppm TWA; 30 mg/m ³	1 ppm TWA (skin); 3 ppm STEL (skin)
Cumene hydroperoxide 80-15-9	1-5	None	None	1 ppm (6 mg/m ³) Skin (WEEL)
Ethylene glycol 107-21-1	0.1-1	100 mg/m ³ Ceiling	None	None
1-Acetyl-2-phenylhydrazine 114-83-0	0.1-1	None	None	None
Saccharin 81-07-2	1-5	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Gel	WHMIS hazard class:	D.2.A, D.2.B
Color:	Purple		
Odor:	Sharp		

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	May cause irritation to nose and throat.
Skin contact:	Irritating to skin. May cause allergic skin reaction.
Eye contact:	Vapors may irritate eyes. Contact with eyes will cause irritation.

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Ingestion: May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure: Acrylic acid: Respiratory disorders. Lung disease.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

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.

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: Greater than 93°C (200°F) Tagliabue closed cup

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 fire fighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.

Sensitivity to mechanical impact: Not available.

Sensitivity to static discharge: Not available.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Prevent product from entering drains or open waters.

Clean-up methods: Ensure adequate ventilation. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors.

Storage: For safe storage, store at or below 38°C (100°F).

Incompatible products: Refer to Section 10.

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

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

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

Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Gel
Color: Purple
Odor: Sharp
Odor Threshold: Not available
Vapor pressure: Less than 10 mm Hg at 27°C (80°F)
pH: Not applicable
Boiling point/range: Greater than 149°C (300°F)
Melting point/range: Not available
Specific gravity: 1.1
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available
VOC content: 1.4069%; 15.48 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Hazardous decomposition products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.
Incompatibility: Strong oxidizers.
Conditions to avoid: See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute LD50 (oral) :Greater than 5000 (rat). (estimated). Acute dermal LD50 greater than 2000 mg/kg (rabbit) (estimated).

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Ingredient Toxicity Data & Carcinogen Status

Hazardous components	LD50s & LC50s	Other LD50s and LC50s	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen	ACGIH - Carcinogens
Polyurethane methacrylate resin PROPRIETARY	None	None	No	No	No	No
Silica, amorphous, fumed, crystalline-free 112945-52-5	Oral LD50 (Rat) = 3160 mg/kg	None	No	No	No	No
Polyglycol dimethacrylate 25852-47-5	None	None	No	No	No	No
Acrylic acid 79-10-7	Inhalation LC50 (Rat) = 1202 ppm Dermal LD50 (Rabbit) = 250 mg/kg Inhalation LC50 (Rat) = 3.6 mg/L Oral LD50 (Rat) = 33.5 mg/kg Inhalation LC50 (Rat) = 6.41 mg/L	None	No	No	No	A4 - Not Classifiable as a Human Carcinogen
Cumene hydroperoxide 80-15-9	Inhalation LC50 (Rat) = 220 ppm Oral LD50 (Rat) = 382 mg/kg	None	No	No	No	No
Ethylene glycol 107-21-1	Oral LD50 (Rat) = 4000 mg/kg Dermal LD50 (Rabbit) = 9530 µL/kg	None	No	No	No	A4 - Not Classifiable as a Human Carcinogen (aerosol)
1-Acetyl-2-phenylhydrazine 114-83-0	Oral LD50 (Mouse) = 270 mg/kg	None	No	No	No	No
Saccharin 81-07-2	Oral LD50 (Mouse) = 17 g/kg	None	No	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Polyurethane methacrylate resin PROPRIETARY	Allergen, Irritant
Silica, amorphous, fumed, crystalline-free 112945-52-5	Nuisance dust
Polyglycol dimethacrylate 25852-47-5	Allergen, Irritant
Acrylic acid 79-10-7	Allergen, Corrosive, Irritant, Kidney, Liver
Cumene hydroperoxide 80-15-9	Allergen, Central nervous system, Corrosive, Irritant, Mutagen
Ethylene glycol 107-21-1	Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic
1-Acetyl-2-phenylhydrazine 114-83-0	Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity
Saccharin 81-07-2	No Target Organs

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with federal and local regulations.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground:

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None

International Air Transportation (ICAO/IATA):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None

Water Transportation (IMO/MDG):

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None
Marine pollutant:	None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

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.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2, 9

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Product Regulations.

Prepared by: Regulatory Affairs

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