



Revision Date: 06/27/2008

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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| Product name: LOCTITE® 515™ GASKET ELIMINATOR® | Item No. : 51580 / IDH No. 88541 |
| Product type: Anaerobic Adhesive | Region: United States |
| Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067 | Contact Information: Telephone: (860) 571-5100 Emergency telephone: (860) 571-5100 Internet: www.henkelna.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
Color: Purple
Odor: Sharp

HMIS:

HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

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.

Item No. : 51580 / IDH No. 88541

Product name: LOCTITE® 515™ GASKET ELIMINATOR®

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| Skin contact: | Irritating to skin. May cause allergic skin reaction. |
| Eye contact: | Vapors may irritate eyes. Contact with eyes will cause irritation. |
| Ingestion: | May cause gastrointestinal tract irritation if swallowed. |

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| Existing conditions aggravated by exposure: | Acrylic acid: Respiratory disorders. Lung disease. |
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See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

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| 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

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| 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. |

6. ACCIDENTAL RELEASE MEASURES

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| 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

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| 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 Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| 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). |
| 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
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).

Carcinogen Status

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|--|----------------|-----------------|-----------------|
| Polyurethane methacrylate resin PROPRIETARY | No | No | No |
| Silica, amorphous, fumed, crystalline-free 112945-52-5 | No | No | No |
| Polyglycol dimethacrylate 25852-47-5 | No | No | No |
| Acrylic acid 79-10-7 | No | No | No |
| Cumene hydroperoxide 80-15-9 | No | No | No |
| Ethylene glycol 107-21-1 | No | No | No |
| 1-Acetyl-2-phenylhydrazine 114-83-0 | No | No | No |
| Saccharin 81-07-2 | 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 according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

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/IMDG):

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

15. REGULATORY INFORMATION

United States Regulatory Information

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| 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. |
| CERCLA/SARA Section 302 EHS: | None above reporting de minimus. |
| CERCLA/SARA Section 311/312: | Immediate Health Hazard, Delayed Health Hazard |
| 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) . Acrylic acid (CAS# 79-10-7). |
| California Proposition 65: | This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. |

Canada Regulatory Information

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

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 9, 15

Prepared by: Regulatory Affairs

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