**Section 1. Identification of the substance/preparation and of the company/undertaking**

**Product name:** LOCTITE® 515™ GASKET ELIMINATOR®

**Intended use:** Anaerobic Adhesive

**Supplier:**
Henkel Australia Pty Ltd  
135-141 Canterbury Road  
Kilsyth, Victoria, 3137  
Australia

Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

---

**Section 2. Hazards identification**

**Classification of the substance or mixture**
Hazardous according to the criteria of Safe Work Australia.

**GHS Classification:**

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Hazard Category</th>
<th>Target organ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin irritation</td>
<td>Category 2</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
<td></td>
</tr>
<tr>
<td>Target Organ Systemic Toxicant -</td>
<td>Category 3</td>
<td>respiratory tract irritation</td>
</tr>
<tr>
<td>Single exposure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic hazards to the aquatic</td>
<td>Category 3</td>
<td></td>
</tr>
<tr>
<td>environment</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hazard pictogram:**

**Signal word:** Danger
Hazard statement(s):  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.  

Precautionary Statement(s):  
Prevention:  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  

Response:  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 If swallowed, seek medical advice immediately and show this container or label.  
P361 Avoid release to the environment. Refer to special instructions/Safety data sheets.  

Storage:  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  

Disposal:  
P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.  

Classification of material Xi - Irritant  
Risk phrases:  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  

Safety phrases:  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of water.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.  

Dangerous Goods information:  
Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).  

Signal word:  
HAZARDOUS  

Section 3. Composition / information on ingredients  
General chemical description: Mixture  
Type of preparation: Anaerobic Sealant
Identity of ingredients:

<table>
<thead>
<tr>
<th>Chemical ingredients</th>
<th>CAS-No.</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid</td>
<td>79-10-7</td>
<td>&lt; 5 %</td>
</tr>
<tr>
<td>Cumene hydroperoxide</td>
<td>80-15-9</td>
<td>&lt; 3 %</td>
</tr>
<tr>
<td>non hazardous ingredients~</td>
<td></td>
<td>60-100 %</td>
</tr>
</tbody>
</table>

---

**Section 4. First aid measures**

**Ingestion:**
Do not induce vomiting.  
Have victim rinse mouth thoroughly with water.  
Seek medical advice.

**Skin:**
In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.  
Seek medical advice.

**Eyes:**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get immediate medical attention.

**Inhalation:**
Move to fresh air in case of accidental inhalation of vapours.  
Seek medical advice.

**First Aid facilities:**
Eye wash and safety shower  
Normal washroom facilities

**Medical attention and special treatment:**
Treat symptomatically and supportively.

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**Section 5. Fire fighting measures**

**Suitable extinguishing media:**
Carbon dioxide, foam, powder

**Decomposition products in case of fire:**  
Thermal decomposition can lead to release of irritating gases and vapors.  
carbon monoxide  
Carbon dioxide.  
Oxides of nitrogen.  
Oxides of sulfur.

**Special protective equipment for fire-fighters:**
Wear full protective clothing.  
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Additional fire fighting advice:**
In case of fire, keep containers cool with water spray.  
Collect contaminated fire fighting water separately.  
It must not enter drains.

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**Section 6. Accidental release measures**

**Personal precautions:**
Avoid skin and eye contact.  
Wear protective equipment.  
Ensure adequate ventilation.

**Environmental precautions:**
Waste disposal with the approval of the responsible local authority.  
Do not discharge into surface water/ground water.

**Clean-up methods:**
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Scrape up spilled material and place in a closed container for disposal.
**Section 7. Handling and storage**

**Precautions for safe handling:**
Use only in well-ventilated areas.
Avoid skin and eye contact.
Wear suitable protective clothing, safety glasses and gloves.

**Conditions for safe storage:**
Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

**Unsuitable materials with product:**
plastic

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**Section 8. Exposure controls / personal protection**

**National exposure standards:**

<table>
<thead>
<tr>
<th>Ingredient [Regulated substance]</th>
<th>form of exposure</th>
<th>TWA (ppm)</th>
<th>TWA (mg/m³)</th>
<th>Peak Limit. (ppm)</th>
<th>Peak Limit. (mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACRYLIC ACID 79-10-7</td>
<td></td>
<td>2</td>
<td>5.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Engineering controls:**
Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Eye protection:**
For eye protection, use tightly fitted safety goggles and a face-shield

**Skin protection:**
Wear suitable protective clothing.
Recommended gloves include butyl rubber and neoprene.

Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

**Respiratory protection:**
If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

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**Section 9. Physical and chemical properties**

**Appearance:**
purple
liquid, opaque

**Odor:**
Sharp

**Specific gravity:**
1.1

**Boiling point:**
150 °C (302 °F)

**Flash point:**
> 93.3 °C (> 199.94 °F)

**Vapor pressure:**
< 10 mm hg
(< 27 °C (80.6 °F))

**Density:**
1.1 g/cm³

**Solubility in water:**
Slightly soluble (20 °C)

**VOC content:**
(2010/75/EC)
< 10 %
Section 10. Stability and reactivity

Stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Avoid excessive heat and ignition sources. Extremes of temperature.


Hazardous polymerization: Will not occur.

Section 11. Toxicological information

Health Effects:
Ingestion: May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.

Skin: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes: Causes serious eye damage. Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Inhalation: Causes respiratory tract irritation. Vapors may cause irritation of the nose, throat, and respiratory tract.

Acute toxicity:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>LD50</td>
<td>1,500 mg/kg</td>
<td>oral inhalation</td>
<td>4 h</td>
<td>rat</td>
<td>BASF Test OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement OECD Guideline 402 (Acute Dermal Toxicity)</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td>&gt; 5.1 mg/l</td>
<td>inhalation</td>
<td></td>
<td>rat</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute toxicity estimate (ATE)</td>
<td>11 mg/l</td>
<td>dermal</td>
<td></td>
<td>rabbit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,100 mg/kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt; 2,000 mg/kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>LD50</td>
<td>550 mg/kg</td>
<td>oral</td>
<td></td>
<td>rat</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Result</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>highly corrosive</td>
<td>3 min</td>
<td>rabbit</td>
<td>OECD Guideline 404 (Acute Dermal Irritation / Corrosion)</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>corrosive</td>
<td></td>
<td>rabbit</td>
<td>Draize Test</td>
</tr>
</tbody>
</table>
Serious eye damage/irritation:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>corrosive</td>
<td>21 d</td>
<td>rabbit</td>
<td>BASF Test</td>
</tr>
</tbody>
</table>

Respiratory or skin sensitization:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Test type</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>not sensitising</td>
<td>Skin painting test</td>
<td>guinea pig</td>
<td></td>
</tr>
</tbody>
</table>

Germ cell mutagenicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Type of study / Route of administration</th>
<th>Metabolic activation / Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>negative</td>
<td>bacterial reverse mutation assay (e.g Ames test)</td>
<td>with and without</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>positive</td>
<td>bacterial reverse mutation assay (e.g Ames test)</td>
<td>without</td>
<td>OECD Guideline 471 (Bacterial Reverse Mutation Assay)</td>
<td></td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>negative</td>
<td>dermal</td>
<td></td>
<td>mouse</td>
<td></td>
</tr>
</tbody>
</table>

Repeated dose toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Result</th>
<th>Route of application</th>
<th>Exposure time / Frequency of treatment</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td></td>
<td>inhalation: aerosol</td>
<td>6 h/d5 d/w</td>
<td>rat</td>
<td></td>
</tr>
</tbody>
</table>

Section 12. Ecological information
General ecological information: Do not empty into drains / surface water / ground water.

Ecotoxicity: Harmful to aquatic life with long lasting effects.

### Toxicity:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>LC50</td>
<td>27 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Salmo gairdneri (new name: Oncorhynchus mykiss)</td>
<td>EPA OTS 797.1400 (Fish Acute Toxicity Test) OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>EC10</td>
<td>0.03 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspecificus)</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>EC50</td>
<td>0.13 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspecificus)</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>EC10</td>
<td>41 mg/l</td>
<td>Bacteria</td>
<td>16 h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>LC50</td>
<td>3.9 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>EC50</td>
<td>18 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>ErC50</td>
<td>3.1 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Pseudokirchnerella subspecifica</td>
<td>OECD Guideline 201 (Alga, Growth Inhibition Test)</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>EC10</td>
<td>70 mg/l</td>
<td>Bacteria</td>
<td>30 min</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Persistence and degradability:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Result</th>
<th>Route of application</th>
<th>Degradability</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>readily biodegradable</td>
<td>aerobic</td>
<td>81 %</td>
<td>OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)</td>
</tr>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>inherently biodegradable</td>
<td>aerobic</td>
<td>100 %</td>
<td>OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>no data</td>
<td></td>
<td>0 %</td>
<td>OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)</td>
</tr>
</tbody>
</table>

### Bioaccumulative potential / Mobility in soil:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>LogKow</th>
<th>Bioconcentration factor (BCF)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Temperature</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>3.16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acrylic acid 79-10-7</td>
<td>0.46</td>
<td></td>
<td>25 °C</td>
<td></td>
<td></td>
<td>OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>9.1</td>
<td>calculation</td>
<td></td>
<td></td>
<td></td>
<td>OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>2.16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 13. Disposal considerations

Waste disposal of product: Dispose of in accordance with local and national regulations.

Disposal for uncleaned package: After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated. Disposal must be made according to official regulations.

Section 14. Transport information

Road and Rail Transport:

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

General information: Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Section 15. Regulatory information

SUSMP Poisons Schedule: None

AICS: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other information

Abbreviations/acronyms: ADGC - Australian Dangerous Goods Code
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
STEL - Short term exposure limit
TWA - Time weighted average

Reason for issue: Reviewed SDS. Reissued with new date. involved chapters: 1 - 16

Date of previous issue: 25.08.2011

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