Material Safety Data Sheet

Revision Date: 03/06/2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Tight® Multi-Purpose Anaerobic Gel
Product type: Anaerobic Adhesive
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No.: 51604
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate 25852-47-5</td>
<td>60-100</td>
<td>5 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
<td>None</td>
</tr>
<tr>
<td>Di-n-butyl phthalate 94-74-2</td>
<td>10-30</td>
<td>6 mg/m³ TWA</td>
<td>10 mg/m³ TWA</td>
<td>3 mg/m³ TWA respirable dust</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>5-10</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Cellulose ester 9004-36-8</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Saccharin 81-07-2</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>1 ppm (6 mg/m³) Skin (WEEL)</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>1-Acetyl-2-phenyhydrazine 114-83-0</td>
<td>0.1-1</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:
- Physical state: Liquid
- Color: Blue
- Odor: Mild

HEALTH:
- 2

FLAMMABILITY:
- 2

PHYSICAL HAZARD:
- 1

Personal Protection: See Section 8

WARNING: COMBUSTIBLE LIQUID CAUSES EYE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE SKIN IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Item No.: 51604

Product name: Tight® Multi-Purpose Anaerobic Gel
Potential Health Effects

- Inhalation: May cause irritation to nose and throat.
- Skin contact: May cause allergic skin reaction. Irritating to skin.
- Eye contact: Mild eye irritation. Contact with eyes will cause irritation.
- Ingestion: May be harmful if swallowed.

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

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: 78°C (172°F) Pensky Martens 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: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
- Unusual fire or explosion hazards: None

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: Store away from ignition sources. 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) 243-4674.
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).

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: Liquid
Color: Blue
Odor: Mild
Vapor pressure: Less than 5 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: 1.1575
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available
VOC content: <4%

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.


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 mg/kg (rat) (estimated). Acute dermal LD50 greater than 2000 mg/kg (rabbit) (estimated).

Carcinogen Status:

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Product name: Tight® Multi-Purpose Anaerobic Gel
<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate 25852-47-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Di-n-butyl phthalate 84-74-2</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cellulose ester 9004-36-8</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Saccharin 81-07-2</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>1-Acetyl-2-phenyldrazine 114-83-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Literature Referenced Target Organ & Other Health Effects**

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Health Effects/Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate 25852-47-5</td>
<td>Allergen, Irritant</td>
</tr>
<tr>
<td>Di-n-butyl phthalate 84-74-2</td>
<td>Reproductive, Irritant, Developmental, Central nervous system</td>
</tr>
<tr>
<td>Silica, amorphous, fumed, crystalline-free 112945-52-5</td>
<td>Nuisance dust</td>
</tr>
<tr>
<td>Cellulose ester 9004-36-8</td>
<td>No Target Organs</td>
</tr>
<tr>
<td>Saccharin 81-07-2</td>
<td>No Target Organs</td>
</tr>
<tr>
<td>Cumene hydroperoxide 80-15-9</td>
<td>Allergen, Central nervous system, Corrosive, Irritant, Mutagen</td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>Irritant</td>
</tr>
<tr>
<td>1-Acetyl-2-phenyldrazine 114-83-0</td>
<td>Allergen, Blood, Kidney, Mutagen, Some evidence of carcinogenicity</td>
</tr>
</tbody>
</table>

**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**

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

- Proper shipping name: Unrestricted
- Hazard class or division: None
- Identification number: None
- Packing group: None
- Marine pollutant: Di-n-butyl phthalate

International Air Transportation (ICAO/IATA):

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

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Product name: Tight® Multi-Purpose Anaerobic Gel
Packing group: None

Water/Transportation (IMO/MDG):
Proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (di-n-butyl phthalate)
Hazard class or division: 9
Identification number: UN3082
Packing group: III
Marine pollutant: Di-n-butyl phthalate

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: 4-Methoxyphenol (150-76-5).

CERCLA/SARA Section 302 EHS:
CERCLA/SARA Section 311/312:
CERCLA/SARA Section 313:
Immediate Health Hazard, Delayed Health Hazard, Fire
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). Di-n-butyl phthalate (CAS# 84-74-2).

California Proposition 65:
No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information
CEPA DSL/INDSL Status:
WHMIS hazard class: All components are listed on or are exempt from listing on the Domestic Substances List.
B.3, D.2.B

16. OTHER INFORMATION

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

Prepared by: Kyra Kozak Woods, Product Safety and Regulatory Affairs Specialist

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