



Henkel Technologies

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Belt Dressing  
Product type: Coating  
Company address:  
Henkel Loctite Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067  
Telephone: (860) 571-5100  
Emergency telephone: (860) 571-5100

Item number: 30527  
Region: United States

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Butane 106-97-8	5-10	800 ppm TWA	None	None
1,2,4-Trimethylbenzene 95-63-6	1-5	25 ppm TWA	None	None
1,3,5-Trimethylbenzene 108-67-8	1-5	25 ppm TWA	None	None
Light aromatic solvent naphtha 64742-95-6	1-5	None	None	50 ppm
Propane 74-98-6	1-5	2500 ppm TWA	1000 ppm TWA 1800 mg/m <sup>3</sup> TWA	None
Ethyl benzene 100-41-4	0.1-1	100 ppm TWA 125 ppm STEL	100 ppm TWA 435 mg/m <sup>3</sup> TWA	None

## 3. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

## HMIS:

Physical state: Liquid Aerosol  
Color: White  
Odor: Aromatic

HEALTH: 2  
FLAMMABILITY: 4  
PHYSICAL HAZARD: Not available  
Personal Protection: See Section 8

**WARNING:** CONTENTS UNDER PRESSURE.  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Eye contact, Skin contact, Inhalation

Potential Health EffectsInhalation:

May cause respiratory tract irritation. Headache. Dizziness. Nausea. Overexposure may cause nervous system depression. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged exposure to solvents may cause adverse effects to the liver, urinary, and reproductive systems.

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Skin contact:	Mild skin irritation. Redness. Itching. Burning sensation.
Eye contact:	Mild eye irritation. Redness. Burning sensation.
Ingestion:	Not a relevant route of exposure.

Existing conditions aggravated by exposure: None generally recognized.

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. Restore breathing. Get medical attention.
Skin contact:	After contact with skin, wash immediately with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Get medical attention immediately.

#### 5. FIRE FIGHTING MEASURES

Flash point:	Not applicable to aerosols.
Flashback:	This product exhibits no flashback when tested for flame extension.
Flame Projection:	0 inches (0 cm)
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	0.7
Flammable/Explosive limits-upper %:	9.5
Extinguishing media:	Carbon dioxide. Foam. Dry chemical.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	None known
Clean-up methods:	Remove all ignition sources. Maintain good ventilation for large spills. Soak up with inert absorbent. Store in a closed container until ready for disposal.

## 7. HANDLING AND STORAGE

- Handling:** Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Vapors will accumulate readily and may ignite explosively. Use only with adequate ventilation. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition.
- Storage:** Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst.
- Incompatible products:** None reasonably foreseeable.

For information on product shelf life contact Henkel Loctite Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTIONS

- Engineering controls:** Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
- Respiratory protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH for protection against materials in Section 2.
- Skin protection:** Chemical resistant, impermeable gloves.
- Eyeface protection:** Safety glasses with side-shields. Goggles.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- |   |                                     |
|---|-------------------------------------|
| <b>Physical state:</b>                          | Liquid Aerosol                      |
| <b>Color:</b>                                   | White                               |
| <b>Odor:</b>                                    | Aromatic                            |
| <b>Vapor pressure:</b>                          | Not available                       |
| <b>pH:</b>                                      | Not applicable                      |
| <b>Boiling point/range:</b>                     | Less than -18 to 182°C (0 to 360°F) |
| <b>Melting point/range:</b>                     | Not available                       |
| <b>Specific gravity:</b>                        | 0.92                                |
| <b>Vapor density:</b>                           | Heavier than air                    |
| <b>Evaporation rate:</b>                        | Faster than ether                   |
| <b>Solubility in water:</b>                     | Not applicable                      |
| <b>Partition coefficient (n-octanol/water):</b> | Not available                       |
| <b>VOC content:</b>                             | 17.66%; 162 grams/liter             |

## 10. STABILITY AND REACTIVITY

- Stability:** Stable.
- Hazardous polymerization:** Will not occur.
- Hazardous decomposition products:** None
- Incompatibility:** None known.
- Conditions to avoid:** High temperatures.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Item number: 30527

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Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Butane	No	No	No
1,2,4-Trimethylbenzene	No	No	No
1,3,5-Trimethylbenzene	No	No	No
Light aromatic solvent naphtha	No	No	No
Propane	No	No	No
Ethyl benzene	No	Group 2B	No

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

Hazardous components	Health Effects/Target Organs
Butane	Cardiac, Central nervous system, Irritant
1,2,4-Trimethylbenzene	Central nervous system, Irritant, Respiratory
1,3,5-Trimethylbenzene	Central nervous system, Irritant, Respiratory
Light aromatic solvent naphtha	Irritant
Propane	Cardiac, Central nervous system, Irritant
Ethyl benzene	Central nervous system, Irritant

#### **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, State and local regulations.

EPA hazardous waste number: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

#### **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 Ground (49 CFR):

Proper shipping name: Aerosols, non-flammable  
Hazard class or division: 2.2  
Identification number: UN 1950  
Packing group: None  
Exceptions: (Not more than 1 L (34 Fl. oz)) Consumer Commodity ORM-D  
Marine pollutant: None

##### International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, non-flammable  
Hazard class or division: 2.2  
Identification number: UN 1950  
Packing group: None  
Exceptions: (Not more than 820 ml (28 Fl. oz)) Consumer Commodity ID8000

##### Water Transportation (IMO/IMDG):

Proper shipping name: Aerosols, Non-flammable  
Hazard class or division: 2.2  
Identification number: UN 1950  
Packing group: None  
Marine pollutant: None

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## 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: None.

CERCLA/SARA Section 302 EHS: None.  
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire  
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). Ethyl Benzene (CAS# 100-41-4). 1,2,4-Trimethylbenzene (CAS# 95-63-6).

California Proposition 65: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

### Canada Regulatory Information

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

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections:  
New Material Safety Data Sheet format.

Prepared by: Rajal Dhruva, Health and Regulatory Affairs Specialist

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