



Revision Number: 001.4

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**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>Loctite Professional Performance Spray Adhesive</b>	<b>IDH number:</b>	2282644
<b>Product type:</b>	Adhesive	<b>Region:</b>	United States
<b>Restriction of Use:</b>	None identified	<b>Contact information:</b>	
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	Telephone: +1 (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com	

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER:** EXTREMELY FLAMMABLE AEROSOL.  
CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE AEROSOL	1
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
GASES UNDER PRESSURE	Compr. Gas

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing mist or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

**Response:** IF ON SKIN: Wash with plenty of water. 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. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

5 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Acetone	67-64-1	30 - 60
Butane	106-97-8	10 - 30
Propane	74-98-6	10 - 30
Dimethyl ether	115-10-6	5 - 10
Hydrocarbons, C9-unsatd., polymd.	71302-83-5	5 - 10
Methyl acetate	79-20-9	5 - 10
Modified Rosin Ester		5 - 10
Naphtha, petroleum, hydrotreated light	64742-49-0	5 - 10
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	98-56-6	5 - 10
Alkanes, C12-14-iso	68551-19-9	1 - 5
n-Heptane	142-82-5	1 - 5
Methylcyclohexane	108-87-2	1 - 5
Remainder		5 - 10

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Remove contaminated clothes. Wash affected area immediately with soap and water. Obtain medical attention if irritation persists.
<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Ingestion:</b>	Get immediate medical attention. Do not induce vomiting.
<b>Symptoms:</b>	See Section 11.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear full protective clothing. Wear self contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses. Contents under pressure. Do not puncture or incinerate pressurized containers. Exposure to temperatures above 49°C (120°F) may cause container to burst.

**Hazardous combustion products:**

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.

**Clean-up methods:**

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors or mists of this product. Do not take internally.

**Storage:**

For safe storage, store at or below 48.8 °C (119.8 °F) Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Acetone	250 ppm TWA 500 ppm STEL	1,000 ppm (2,400 mg/m3) PEL	None	None
Butane	1,000 ppm STEL (Simple asphyxiant.)	None	None	None
Propane	D: Simple asphyxiant, EX: Explosion hazard (Simple asphyxiant.)	1,000 ppm (1,800 mg/m3) PEL	None	None
Dimethyl ether	None	None	1,000 ppm (1,880 mg/m3) TWA	None
Hydrocarbons, C9-unsatd., polymd.	None	None	None	None
Methyl acetate	200 ppm TWA 250 ppm STEL	200 ppm (610 mg/m3) PEL	None	None
Modified Rosin Ester	None	None	None	None
Naphtha, petroleum, hydrotreated light	None	100 ppm (400 mg/m3) PEL	None	None
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	None	None	None	None
Alkanes, C12-14-iso	None	None	None	None
n-Heptane	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m3) PEL	None	None
Methylcyclohexane	400 ppm TWA	500 ppm (2,000 mg/m3) PEL	None	None
Remainder	None	None	None	None

**Engineering controls:**

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

<b>Respiratory protection:</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.
<b>Skin protection:</b>	Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Aerosol
<b>Color:</b>	No information available.
<b>Odor:</b>	Not available.
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	72.1 °C (161.8 °F)
<b>Melting point/ range:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	-104.4 °C (-155.92 °F)
<b>Flashback:</b>	This product exhibits flashback when tested for flame extension.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Flammability:</b>	Extremely flammable aerosol.
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	38.8 % (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method)
<b>Viscosity:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
<b>Incompatible materials:</b>	This product may react with strong acids, bases and oxidizing agents.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Keep away from heat, ignition sources and incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

<b>Relevant routes of exposure:</b>	Skin, Inhalation, Eyes
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### Potential Health Effects/Symptoms

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause central nervous system effects with nausea, dizziness and headache.

**Skin contact:** Causes skin irritation. May cause allergic skin reaction.

**Eye contact:** Causes serious eye irritation.

**Ingestion:** Ingestion of this product may cause nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Acetone	Oral LD50 (Mouse) = 5.2 g/kg Oral LD50 (Mouse) = 3,000 mg/kg Oral LD50 (Rabbit) = 5,340 mg/kg Oral LD50 (Rat) = 5,800 mg/kg Oral LD50 (Rat) = 9,800 mg/kg Dermal LD50 (Rabbit) = 20,000 mg/kg	Central nervous system, Irritant
Butane	None	Cardiac, Central nervous system, Irritant
Propane	None	Cardiac, Central nervous system, Irritant
Dimethyl ether	None	Irritant, Central nervous system
Hydrocarbons, C9-unsatd., polymd.	None	No Records
Methyl acetate	Oral LD50 (Rabbit) = 3.7 g/kg	Blood, Central nervous system, Eyes, Irritant
Modified Rosin Ester	None	No Data
Naphtha, petroleum, hydrotreated light	None	Central nervous system, Irritant, Kidney, Lung
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	None	Adrenals, Blood, Central nervous system, Immune system, Irritant, Kidney, Liver, Lung, Skin, Thyroid
Alkanes, C12-14-iso	None	No Data
n-Heptane	None	Central nervous system, Irritant
Methylcyclohexane	None	Central nervous system, Irritant, Kidney, Liver
Remainder	None	No Data

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Acetone	No	No	No
Butane	No	No	No
Propane	No	No	No
Dimethyl ether	No	No	No
Hydrocarbons, C9-unsatd., polymd.	No	No	No
Methyl acetate	No	No	No
Modified Rosin Ester	No	No	No
Naphtha, petroleum, hydrotreated light	No	No	No
4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene	No	No	No
Alkanes, C12-14-iso	No	No	No
n-Heptane	No	No	No
Methylcyclohexane	No	No	No
Remainder	No	No	No

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Harmful to aquatic organisms.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

<b>Recommended method of disposal:</b>	Dispose of according to Federal, State and local governmental regulations.
<b>Hazardous waste number:</b>	It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

<b>Proper shipping name:</b>	Aerosols
<b>Hazard class or division:</b>	2.1
<b>Identification number:</b>	UN 1950
<b>Packing group:</b>	None
<b>DOT Hazardous Substance(s):</b>	Acetone

### International Air Transportation (ICAO/IATA)

<b>Proper shipping name:</b>	Aerosols, flammable
<b>Hazard class or division:</b>	2.1
<b>Identification number:</b>	UN 1950
<b>Packing group:</b>	None

### Water Transportation (IMO/IMDG)

<b>Proper shipping name:</b>	AEROSOLS (Heptanes)
<b>Hazard class or division:</b>	2.1
<b>Identification number:</b>	UN 1950
<b>Packing group:</b>	None
<b>Marine pollutant:</b>	Heptanes

## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	Chloro-fluoro solvent (CAS# 98-56-6).
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimis.
<b>CERCLA/SARA Section 311/312:</b>	Not available.
<b>CERCLA/SARA Section 313:</b>	None above reporting de minimis.
<b>California Proposition 65:</b>	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### Canada Regulatory Information

<b>CEPA DSL/NDL Status:</b>	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
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## 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** This Safety Data Sheet contains changes from the previous version in Section(s): 2,3,8,11,16

**Prepared by:** Product Safety and Regulatory Affairs

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