



Revision Number: 004.1

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**1. PRODUCT AND COMPANY IDENTIFICATION**

|                               |  |                     |               |
|-------------------------------|--|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE PC 9660 AE12FO</b>                  | <b>IDH number:</b>  | 209750        |
| <b>Product type:</b>          | Coating  | <b>Item number:</b> | 51211         |
| <b>Restriction of Use:</b>    | None identified                                | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                    |                     |               |
| Henkel Corporation            | Telephone: (860) 571-5100                      |                     |               |
| One Henkel Way                | MEDICAL EMERGENCY Phone: Poison Control Center |                     |               |
| Rocky Hill, Connecticut 06067 | 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:** CONTENTS UNDER PRESSURE.  
 EXTREMELY FLAMMABLE AEROSOL.  
 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
 CAUSES SKIN IRRITATION.  
 CAUSES SERIOUS EYE IRRITATION.  
 MAY CAUSE DROWSINESS OR DIZZINESS.

| HAZARD CLASS                                     | HAZARD CATEGORY |
|--|-----------------|
| FLAMMABLE AEROSOL                                | 1               |
| SKIN IRRITATION                                  | 2               |
| EYE IRRITATION                                   | 2A              |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3               |
| ASPIRATION HAZARD                                | 1               |

**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. Wear protective gloves, eye protection, and face protection.

**Response:**

IF SWALLOWED: Immediately call a physician or poison control center. 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. Do NOT induce vomiting. If skin irritation 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.

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* |
|---|------------|-------------|
| Stoddard solvent, <0.1% Benzene               | 8052-41-3  | 20 - 30     |
| Propane                                       | 74-98-6    | 20 - 30     |
| Residual oils, petroleum, solvent deasphalted | 64741-95-3 | 10 - 20     |
| n-Heptane                                     | 142-82-5   | 10 - 20     |
| n-Hexane                                      | 110-54-3   | 10 - 20     |

\* 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>   | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.  |
| <b>Skin contact:</b> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Get medical attention. Wash clothing before reuse.                       |
| <b>Eye contact:</b>  | Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.   |
| <b>Ingestion:</b>    | Do not induce vomiting. If vomiting occurs, prevent aspiration by keeping the patient's head below the knees. Never give anything by mouth to an unconscious person. Get medical attention. |
| <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 self-contained breathing apparatus and full protective clothing, such as turn-out gear.  |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapor accumulation can flash or explode if ignited. |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Toxic and irritating vapors.  |

### 6. ACCIDENTAL RELEASE MEASURES

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

|                                   |   |
|-----------------------------------|---|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways. |
|-----------------------------------|---|

**Clean-up methods:**

Remove all sources of ignition. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal.

## 7. HANDLING AND STORAGE

**Handling:**

Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed.

**Storage:**

Keep in a cool, well ventilated area. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Keep away from heat, spark and flame.

## 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 |
|---|---|-----------------------------|-----------|-------|
| Stoddard solvent, <0.1% Benzene               | 100 ppm TWA   | 500 ppm (2,900 mg/m3) PEL   | None      | None  |
| Propane                                       | Included in the regulation but with no data values. See regulation for further details  | 1,000 ppm (1,800 mg/m3) PEL | None      | None  |
| Residual oils, petroleum, solvent deasphalted | Exposure by all routes should be carefully controlled to levels as low as possible.<br>Included in the regulation but with no data values. See regulation for further details<br>5 mg/m3 TWA<br>Inhalable fraction. | None                        | None      | None  |
| n-Heptane                                     | 400 ppm TWA<br>500 ppm STEL   | 500 ppm (2,000 mg/m3) PEL   | None      | None  |
| n-Hexane                                      | 50 ppm TWA (SKIN)   | 500 ppm (1,800 mg/m3) PEL   | None      | None  |

**Engineering controls:**

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

**Respiratory protection:**

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**

Liquid, Aerosol

**Color:**

Brown

**Odor:**

Solvent

**Odor threshold:**

Not available.

|   |  |
|---|--|
| <b>pH:</b>                                      | Not available.   |
| <b>Vapor pressure:</b>                          | Not available.   |
| <b>Boiling point/range:</b>                     | -42.2 - 154.4 °C (-44°F - 309.9 °F)                              |
| <b>Melting point/ range:</b>                    | Not available.   |
| <b>Specific gravity:</b>                        | 0.73   |
| <b>Vapor density:</b>                           | > 1  |
| <b>Flash point:</b>                             | Not applicable to aerosols.                                      |
| <b>Flashback:</b>                               | This product exhibits flashback when tested for flame extension. |
| <b>Flammable/Explosive limits - lower:</b>      | 0.7 %  |
| <b>Flammable/Explosive limits - upper:</b>      | 9.5 %  |
| <b>Autoignition temperature:</b>                | Not available.   |
| <b>Flammability:</b>                            | Extremely flammable aerosol.                                     |
| <b>Evaporation rate:</b>                        | Not available.   |
| <b>Solubility in water:</b>                     | Insoluble  |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.   |
| <b>VOC content:</b>                             | 69.6 %   |
| <b>Viscosity:</b>                               | Not available.   |
| <b>Decomposition temperature:</b>               | Not available.   |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.   |
| <b>Hazardous reactions:</b>              | Will not occur.  |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Irritating organic vapours.  |
| <b>Incompatible materials:</b>           | Strong oxidizing agents.   |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | Heat, flames, sparks and other sources of ignition. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Store away from incompatible materials. |

## 11. TOXICOLOGICAL INFORMATION

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>Relevant routes of exposure:</b> | Skin, Inhalation, Eyes, Ingestion |
|-------------------------------------|-----------------------------------|

### Potential Health Effects/Symptoms

**Inhalation:** May cause central nervous system effects with nausea, dizziness and headache.  
**Skin contact:** Causes skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

| Hazardous Component(s)                        | LD50s and LC50s  | Immediate and Delayed Health Effects                        |
|---|--|---|
| Stoddard solvent, <0.1% Benzene               | None   | Central nervous system, Irritant                            |
| Propane                                       | None   | Cardiac, Central nervous system, Irritant                   |
| Residual oils, petroleum, solvent deasphalted | None   | Irritant  |
| n-Heptane                                     | Inhalation LC50 (Rat, 4 h) = 103 mg/l  | Central nervous system, Irritant                            |
| n-Hexane                                      | Oral LD50 (Rat) = 28,710 mg/kg<br>Dermal LD50 (Rabbit) = > 2,000 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 73860 ppm<br>Inhalation LC50 (Mouse, 4 h) = 48000 ppm | Developmental, Irritant, Lung, Nervous System, Reproductive |

| Hazardous Component(s)                        | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|-------------------------------|-----------------|--|
| Stoddard solvent, <0.1% Benzene               | No                            | No              | No                                       |
| Propane                                       | No                            | No              | No                                       |
| Residual oils, petroleum, solvent deasphalted | Known To Be Human Carcinogen. | Group 1         | No                                       |
| n-Heptane                                     | No                            | No              | No                                       |
| n-Hexane                                      | No                            | No              | No                                       |

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

**Information provided is for unused product only.**

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** D001: Ignitable.

## 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)

**Proper shipping name:** Aerosols  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**DOT Hazardous Substance(s):** Hexane

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None

**Water Transportation (IMO/IMDG)**  
**Proper shipping name:** AEROSOLS  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None

## 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 above reporting de minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire, Sudden Release  
**CERCLA/SARA Section 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). n-Hexane (CAS# 110-54-3).  
n-Hexane (CAS# 110-54-3) 5,000 lbs. (2,270 kg)  
n-Heptane (CAS# 142-82-5) 100 lbs. (45.4 kg)  
Propane (CAS# 74-98-6) 100 lbs. (45.4 kg)

**CERCLA Reportable quantity:**

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

### Canada Regulatory Information

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

## 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** 3, 4, 5, 10

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