



Revision Number: 004.0

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## 1. PRODUCT AND COMPANY IDENTIFICATION

|   |   |                     |               |
|---|---|---------------------|---------------|
| <b>Product name:</b>  | <b>LOCTITE SF F720 BK known as Color Guard® Black</b>   | <b>IDH number:</b>  | 338125        |
| <b>Product type:</b>  | Coating   | <b>Item number:</b> | 34980         |
| <b>Restriction of Use:</b>  | None identified   | <b>Region:</b>      | United States |
| <b>Company address:</b>   | <b>Contact information:</b><br>Telephone: (860) 571-5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |                     |               |
| Henkel Corporation<br>One Henkel Way<br>Rocky Hill, Connecticut 06067 |   |                     |               |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:** HIGHLY FLAMMABLE LIQUID AND VAPOR.  
 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 LIQUID                                 | 2               |
| SKIN IRRITATION                                  | 2               |
| EYE IRRITATION                                   | 2A              |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3               |
| ASPIRATION HAZARD                                | 1               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |   |
|--------------------|---|
| <b>Prevention:</b> | Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection, and face protection.   |
| <b>Response:</b>   | IF SWALLOWED: Immediately call a physician or poison control center. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Call a poison control center or physician if you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. |
| <b>Storage:</b>    | Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.  |
| <b>Disposal:</b>   | 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* |
|---|-------------|-------------|
| Petroleum Distillates                           | Proprietary | 30 - 60     |
| n-Hexane  | 110-54-3    | 10 - 30     |
| Xylenes   | 1330-20-7   | 10 - 30     |
| Acetone   | 67-64-1     | 5 - 10      |
| Reinforcing filler                              | Proprietary | 5 - 10      |
| Ethylbenzene                                    | 100-41-4    | 1 - 5       |
| Silica, amorphous, fumed, crystal-free          | 112945-52-5 | 1 - 5       |
| Carbon black                                    | 1333-86-4   | 0.1 - 1     |
| Hydrocarbon aliphatic aromatic naphthenic C9-12 | 64742-88-7  | 0.1 - 1     |

\* Exact percentage is a 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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.                                      |
| <b>Skin contact:</b> | Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. If symptoms develop and persist, get medical attention. |
| <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. Keep individual calm. Never give anything by mouth to an unconscious person. If symptoms develop and persist, get medical attention.   |
| <b>Symptoms:</b>     | See Section 11.  |

### 5. FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Extinguishing media:</b>               | Foam, extinguishing powder, 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> | In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) can be released. In case of fire, keep containers cool with water spray. |
| <b>Hazardous combustion products:</b>     | Oxides of carbon, oxides of nitrogen, irritating organic 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. Ensure adequate ventilation. 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:**

Avoid contact with skin and clothing. Avoid breathing vapors or mists of this product. Keep away from heat, spark and flame.

**Storage:**

For safe storage, store at or below 48 °C (118.4 °F)  
Keep in a cool, well ventilated area away from heat, sparks and open flame.  
Keep container tightly closed until ready for use.

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

## 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 |
|---|--|--|-----------|-------|
| Petroleum Distillates                           | None   | None   | None      | None  |
| n-Hexane  | 50 ppm TWA (SKIN)  | 500 ppm (1,800 mg/m <sup>3</sup> ) PEL   | None      | None  |
| Xylenes   | 100 ppm TWA<br>150 ppm STEL  | 100 ppm (435 mg/m <sup>3</sup> ) PEL   | None      | None  |
| Acetone   | 750 ppm STEL<br>500 ppm TWA  | 1,000 ppm (2,400 mg/m <sup>3</sup> ) PEL   | None      | None  |
| Reinforcing filler                              | 10 mg/m <sup>3</sup> TWA Total dust.   | 5 mg/m <sup>3</sup> PEL Respirable fraction.<br>15 mg/m <sup>3</sup> PEL Total dust. | None      | None  |
| Ethylbenzene                                    | 20 ppm TWA   | 100 ppm (435 mg/m <sup>3</sup> ) PEL   | None      | None  |
| Silica, amorphous, fumed, crystal-free          | 10 mg/m <sup>3</sup> TWA Inhalable dust.<br>3 mg/m <sup>3</sup> TWA Respirable fraction. | 20 MPPCF TWA<br>0.8 mg/m <sup>3</sup> TWA  | None      | None  |
| Carbon black                                    | 3 mg/m <sup>3</sup> TWA Inhalable fraction.  | 3.5 mg/m <sup>3</sup> PEL  | None      | None  |
| Hydrocarbon aliphatic aromatic naphthenic C9-12 | 100 ppm TWA  | 500 ppm (2,900 mg/m <sup>3</sup> ) TWA   | None      | None  |

**Engineering controls:**

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Chemical resistant, impermeable gloves. Use of Butyl or Nitrile Rubber gloves is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                                 |
|--|---------------------------------|
| Physical state:                          | Liquid                          |
| Color:                                   | Black                           |
| Odor:                                    | Solvent                         |
| Odor threshold:                          | Not available.                  |
| pH:                                      | Not available.                  |
| Vapor pressure:                          | 185 mm hg (20 °C (68°F))        |
| Boiling point/range:                     | 56.1 - 141.1 °C (133°F - 286°F) |
| Melting point/ range:                    | Not available.                  |
| Specific gravity:                        | 0.83                            |
| Vapor density:                           | > 1                             |
| Vapor density:                           | > 1                             |
| Flash point:                             | -23 °C (-9.4 °F)                |
| Flammable/Explosive limits - lower:      | Not available.                  |
| Flammable/Explosive limits - upper:      | Not available.                  |
| Autoignition temperature:                | Not available.                  |
| Evaporation rate:                        | Greater than butyl acetate.     |
| Solubility in water:                     | Insoluble                       |
| Partition coefficient (n-octanol/water): | Not available.                  |
| VOC content:                             | 67.0 %; 556 g/l                 |
| Viscosity:                               | Not available.                  |
| Decomposition temperature:               | Not available.                  |

## 10. STABILITY AND REACTIVITY

|                                   |   |
|-----------------------------------|---|
| Stability:                        | Stable  |
| Hazardous reactions:              | Will not occur.   |
| Hazardous decomposition products: | None  |
| Incompatible materials:           | Strong acids and strong bases. Strong oxidizing agents. Amines. Alkali metals. Halogenated compounds. |
| Reactivity:                       | Not available.  |
| Conditions to avoid:              | Store away from incompatible materials. Heat, flames, sparks and other sources of ignition.           |

## 11. TOXICOLOGICAL INFORMATION

|                              |                                   |
|------------------------------|-----------------------------------|
| Relevant routes of exposure: | Skin, Inhalation, Eyes, Ingestion |
|------------------------------|-----------------------------------|

## Potential Health Effects/Symptoms

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Vapors may cause headaches, nausea, dizziness and respiratory tract irritation. 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. |
| <b>Skin contact:</b> | Causes skin irritation.   |
| <b>Eye contact:</b>  | Causes serious eye irritation.  |
| <b>Ingestion:</b>    | May be harmful if swallowed.  |

| Hazardous Component(s)                          | LD50s and LC50s   | Immediate and Delayed Health Effects                        |
|---|---|---|
| Petroleum Distillates                           | None  | Irritant  |
| n-Hexane  | Oral LD50 (RAT) = 24 mg/kg<br>Oral LD50 (RAT) = 43.5 mg/kg<br>Oral LD50 (RAT) = 28,710 mg/kg<br>Dermal LD50 (RABBIT) = > 2,000 mg/kg<br>Inhalation LC50 (RAT, 4 h) = 73860 ppm  | Developmental, Irritant, Lung, Nervous System, Reproductive |
| Xylenes   | Oral LD50 (RAT) = 6,670 mg/kg<br>Oral LD50 (RAT) = 3,523 - 8,600 mg/kg<br>Oral LD50 (RAT) = 4,300 mg/kg<br>Dermal LD50 (RABBIT) = > 43 g/kg<br>Inhalation LC50 (RAT, 4 h) = 6,350 mg/l                                      | Cardiac, Central nervous system, Irritant, Kidney, Liver    |
| Acetone   | Oral LD50 (RABBIT) = 5,340 mg/kg<br>Oral LD50 (RAT) = 5,800 mg/kg<br>Oral LD50 (RAT) = 9,800 mg/kg<br>Dermal LD50 (RABBIT) = 20,000 mg/kg<br>Inhalation LC50 (RAT, 8 h) = 50.1 mg/l<br>Inhalation LC50 (RAT, 4 h) = 76 mg/l | Blood, Central nervous system, Irritant, Reproductive       |
| Reinforcing filler                              | Oral LD50 (RAT) = 6,450 mg/kg   | Nuisance dust   |
| Ethylbenzene                                    | Oral LD50 (RAT) = 5.46 g/kg<br>Oral LD50 (RAT) = 3,500 mg/kg<br>Dermal LD50 (RABBIT) = 17,800 mg/kg   | Irritant, Central nervous system                            |
| Silica, amorphous, fumed, crystal-free          | None  | Nuisance dust   |
| Carbon black                                    | Oral LD50 (RAT) = > 8,000 mg/kg   | Respiratory, Some evidence of carcinogenicity               |
| Hydrocarbon aliphatic aromatic naphthenic C9-12 | None  | Central nervous system, Irritant                            |

| Hazardous Component(s)                          | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|----------------|-----------------|--|
| Petroleum Distillates                           | No             | No              | No                                       |
| n-Hexane  | No             | No              | No                                       |
| Xylenes   | No             | No              | No                                       |
| Acetone   | No             | No              | No                                       |
| Reinforcing filler                              | No             | No              | No                                       |
| Ethylbenzene                                    | No             | Group 2B        | No                                       |
| Silica, amorphous, fumed, crystal-free          | No             | No              | No                                       |
| Carbon black                                    | No             | Group 2B        | No                                       |
| Hydrocarbon aliphatic aromatic naphthenic C9-12 | 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:** Coating solution  
**Hazard class or division:** 3  
**Identification number:** UN 1139  
**Packing group:** II  
**DOT Hazardous Substance(s):** Xylene (mixed), Benzene

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

**Proper shipping name:** Coating solution  
**Hazard class or division:** 3  
**Identification number:** UN 1139  
**Packing group:** II

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** COATING SOLUTION  
**Hazard class or division:** 3  
**Identification number:** UN 1139  
**Packing group:** II

### 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  
**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). Xylenes (CAS# 1330-20-7). Ethylbenzene (CAS# 100-41-4).

**CERCLA Reportable quantity:** n-Hexane (CAS# 110-54-3) 5,000 lbs. (2,270 kg)  
Xylenes (CAS# 1330-20-7) 100 lbs. (45.4 kg)  
Ethylbenzene (CAS# 100-41-4) 1,000 lbs. (454 kg)

**California Proposition 65:** 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

**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: New Safety Data Sheet format.

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