

# Safety Data Sheet



Revision Number: 007.1

Issue date: 05/12/2022

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** RF140 Roof and Flashing Sealant **IDH number:** 1938618  
**Product type/use:** Sealant  
**Restriction of Use:** None identified **Region:** United States  
**Company address:** **Contact information:**  
Henkel Corporation Telephone: +1 (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:** HIGHLY FLAMMABLE LIQUID AND VAPOR.  
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               |

### PICTOGRAM(S)



### Precautionary Statements

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing vapors, 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 on skin (or hair): Take off immediately all contaminated clothing. 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 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.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

**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* |
|------------------------|------------|-------------|
|------------------------|------------|-------------|

IDH number: 1938618

Product name: RF140 Roof and Flashing Sealant

|   |            |         |
|---|------------|---------|
| Dolomite  | 16389-88-1 | 20 - 30 |
| Kaolin  | 1332-58-7  | 10 - 20 |
| Methyl acetate  | 79-20-9    | 10 - 20 |
| Asphalt   | 8052-42-4  | 5 - 10  |
| Distillates (petroleum), hydrotreated heavy naphthenic        | 64742-52-5 | 1 - 5   |
| Stoddard solvent, <0.1% Benzene acetone                       | 8052-41-3  | 1 - 5   |
| Carbon black  | 1333-86-4  | 0.1 - 1 |
| Cristobalite  | 14464-46-1 | 0.1 - 1 |
| Quartz (SiO <sub>2</sub> ) respirable particulates (RCS) ≥10% | 14808-60-7 | 0.1 - 1 |
| Titanium dioxide  | 13463-67-7 | 0.1 - 1 |

\* 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 breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention. |
| <b>Skin contact:</b> | Immediately wash skin thoroughly with soap and water.   |
| <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>    | Do not induce vomiting, seek medical advice immediately.  |
| <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 a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. Wear full protective clothing.                           |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along floor to an ignition source. |
| <b>Hazardous combustion products:</b>     | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.   |

#### 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> | Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Ventilate area. Wear appropriate protective equipment and clothing during clean-up. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| <b>Clean-up methods:</b>          | 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:**

Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. Use only in well-ventilated areas. Keep out of the reach of children.

**Storage:**

Keep away from heat, spark and flame. Keep containers closed when not in use.

**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 |
|---|--|--|-----------|-------|
| Dolomite  | 3 mg/m <sup>3</sup> TWA<br>Respirable particles.<br>10 mg/m <sup>3</sup> TWA<br>Inhalable particles. | 50 MPPCF TWA<br>Total dust.<br>15 mg/m <sup>3</sup> TWA Total<br>dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.<br>5 mg/m <sup>3</sup> PEL<br>Respirable fraction.<br>15 mg/m <sup>3</sup> PEL Total<br>dust.    | None      | None  |
| Kaolin  | 2 mg/m <sup>3</sup> TWA<br>Respirable fraction.  | 5 mg/m <sup>3</sup> PEL<br>Respirable fraction.<br>15 mg/m <sup>3</sup> PEL Total<br>dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.<br>15 mg/m <sup>3</sup> TWA Total<br>dust.    | None      | None  |
| Methyl acetate  | 200 ppm TWA<br>250 ppm STEL  | 200 ppm (610<br>mg/m <sup>3</sup> ) PEL  | None      | None  |
| Asphalt   | 0.5 mg/m <sup>3</sup> TWA (as<br>benzene solubles)<br>Inhalable fume.                                | None   | None      | None  |
| Distillates (petroleum), hydrotreated<br>heavy naphthenic | 5 mg/m <sup>3</sup> TWA<br>Inhalable fraction.   | 5 mg/m <sup>3</sup> PEL Mist.<br>500 ppm (2,000<br>mg/m <sup>3</sup> ) PEL   | None      | None  |
| Stoddard solvent, <0.1% Benzene                           | 100 ppm TWA  | 500 ppm (2,900<br>mg/m <sup>3</sup> ) PEL  | None      | None  |
| acetone   | 250 ppm TWA<br>500 ppm STEL  | 1,000 ppm (2,400<br>mg/m <sup>3</sup> ) PEL  | None      | None  |
| Carbon black  | 3 mg/m <sup>3</sup> TWA<br>Inhalable fraction.   | 3.5 mg/m <sup>3</sup> PEL<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.<br>50 MPPCF TWA<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m <sup>3</sup> TWA Total<br>dust.   | None      | None  |
| Cristobalite  | 0.025 mg/m <sup>3</sup> TWA<br>Respirable fraction.  | 1.2 MPPCF TWA<br>Respirable.<br>0.05 mg/m <sup>3</sup> TWA<br>Respirable.<br>0.05 mg/m <sup>3</sup> TWA<br>(Respirable dust.)<br>(Respirable dust.)<br>0.025 mg/m <sup>3</sup><br>OSHA_ACT<br>(Respirable dust.)<br>0.05 mg/m <sup>3</sup> PEL<br>Respirable dust. | None      | None  |

|  |   |   |      |      |
|--|---|---|------|------|
| Quartz (SiO <sub>2</sub> ) respirable particulates (RCS) >=10% | 0.025 mg/m <sup>3</sup> TWA<br>Respirable fraction. | 0.05 mg/m <sup>3</sup> TWA<br>(Respirable dust.)<br>(Respirable dust.)<br>0.025 mg/m <sup>3</sup><br>OSHA ACT<br>(Respirable dust.)<br>0.05 mg/m <sup>3</sup> PEL<br>Respirable dust.<br>2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m <sup>3</sup> TWA<br>Respirable. | None | None |
| Titanium dioxide   | 10 mg/m <sup>3</sup> TWA                            | 15 mg/m <sup>3</sup> PEL Total<br>dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m <sup>3</sup> TWA Total<br>dust.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.  | None | None |

|                                |   |
|--------------------------------|---|
| <b>Engineering controls:</b>   | Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.   |
| <b>Respiratory protection:</b> | Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists. When workplace hazards warrant the use of a respirator, appropriate respirators must be used, and a program that follows 29 CFR 1910.134 must be followed. |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields.   |
| <b>Skin protection:</b>        | Use impermeable gloves and protective clothing as necessary to prevent skin contact.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Physical state:</b>                          | Liquid                                   |
| <b>Color:</b>                                   | Black                                    |
| <b>Odor:</b>                                    | Slightly, of solvent                     |
| <b>Odor threshold:</b>                          | Not available.                           |
| <b>pH:</b>                                      | Not applicable                           |
| <b>Vapor pressure:</b>                          | 50 mm hg (20 °C (68°F))                  |
| <b>Boiling point/range:</b>                     | 93.3 - 148.9 °C (199.9 - 300°F)(solvent) |
| <b>Melting point/ range:</b>                    | Not available.                           |
| <b>Specific gravity:</b>                        | 1.302                                    |
| <b>Vapor density:</b>                           | Heavier than air                         |
| <b>Flash point:</b>                             | 18.33 °C (64.99 °F) no method            |
| <b>Flammable/Explosive limits - lower:</b>      | 1.2 %                                    |
| <b>Flammable/Explosive limits - upper:</b>      | 7 %                                      |
| <b>Autoignition temperature:</b>                | Not available.                           |
| <b>Flammability:</b>                            | Not applicable                           |
| <b>Evaporation rate:</b>                        | < 0.2 (Butyl acetate = 1)                |
| <b>Solubility in water:</b>                     | Insoluble                                |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                           |
| <b>VOC content:</b>                             | 20 %; 235 g/l (calculated)               |
| <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> | Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. |
| <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.  |

## 11. TOXICOLOGICAL INFORMATION

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

## Potential Health Effects/Symptoms

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Irritates the nose, throat and respiratory system. Exposure to high doses may cause central nervous system depression. Such doses may also cause adverse effects in the liver, kidneys, and lungs. Abrasion of cured material such as by sanding or grinding could release respirable particles of silica quartz, a cancer hazard by inhalation. Normal use of this product causes no such release. Respirable carbon black is classified as a possible carcinogen. The carbon black present in this product is encapsulated in the liquid mixture and could only be liberated by sanding or abrading. Appropriate precautions should be taken if the product is sanded or abraded to preclude personnel from breathing the dust. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. |
| <b>Skin contact:</b> | Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.   |
| <b>Eye contact:</b>  | Contact with eyes can cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.  |
| <b>Ingestion:</b>    | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.   |

| Hazardous Component(s)   | LD50s and LC50s  | Immediate and Delayed Health Effects                    |
|--|--|---|
| Dolomite   | None   | Immune system, Irritant, Kidney, Skin, Lung             |
| Kaolin   | Oral LD50 (Rat) = > 5,000 mg/kg<br>Dermal LD50 (Rat) = > 5,000 mg/kg   | Nuisance dust   |
| Methyl acetate   | Oral LD50 (Rabbit) = 3.7 g/kg  | Blood, Central nervous system, Eyes, Irritant           |
| Asphalt  | None   | Central nervous system, Irritant, Respiratory           |
| Distillates (petroleum), hydrotreated heavy naphthenic         | Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l<br>Inhalation LC50 (Rat, 4 h) = 2.18 mg/l<br>Inhalation LC50 (Rat, 4 h) = 10.5 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l<br>Inhalation LC50 (Rat, 4 h) = < 5.7 mg/l  | Irritant  |
| Stoddard solvent, <0.1% Benzene                                | None   | Central nervous system, Irritant                        |
| acetone  | Oral LD50 (Mouse) = 5.2 g/kg<br>Oral LD50 (Mouse) = 3,000 mg/kg<br>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, 4 h) = 76 mg/l<br>Inhalation LC50 (Rat, 4 h) = 50.1 mg/l | Central nervous system, Irritant                        |
| Carbon black   | Oral LD50 (Rat) = > 8,000 mg/kg  | Respiratory, Some evidence of carcinogenicity           |
| Cristobalite   | None   | No Data   |
| Quartz (SiO <sub>2</sub> ) respirable particulates (RCS) >=10% | None   | No Data   |
| Titanium dioxide   | Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l   | Irritant, Respiratory, Some evidence of carcinogenicity |

| Hazardous Component(s)   | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|-------------------------------|-----------------|--|
| Dolomite   | No                            | No              | No                                       |
| Kaolin   | No                            | No              | No                                       |
| Methyl acetate   | No                            | No              | No                                       |
| Asphalt  | Known To Be Human Carcinogen. | Group 2B        | No                                       |
| Distillates (petroleum), hydrotreated heavy naphthenic         | No                            | No              | No                                       |
| Stoddard solvent, <0.1% Benzene                                | No                            | No              | No                                       |
| acetone  | No                            | No              | No                                       |
| Carbon black   | No                            | Group 2B        | No                                       |
| Cristobalite   | Known To Be Human Carcinogen. | Group 1         | Yes                                      |
| Quartz (SiO <sub>2</sub> ) respirable particulates (RCS) >=10% | Known To Be Human Carcinogen. | Group 1         | Yes                                      |
| Titanium dioxide   | No                            | Group 2B        | No                                       |

## 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.

## 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:** Adhesives  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Adhesives  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

### Water Transportation (IMO/IMDG)

**Proper shipping name:** ADHESIVES  
**Hazard class or division:** 3  
**Identification number:** UN 1133  
**Packing group:** II

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) 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:** Fire, Immediate Health, Delayed Health  
**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). Asphalt (CAS# 8052-42-4).  
**CERCLA Reportable quantity:** Methyl acetate (CAS# 79-20-9) 100 lbs. (45.4 kg)  
Asphalt (CAS# 8052-42-4) 100 lbs. (45.4 kg)  
Xylenes (CAS# 1330-20-7) 100 lbs. (45.4 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/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.  
**CEPA DSL/NDSL 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:** This Safety Data Sheet contains changes from the previous version in Section(s): 3, 8, 11, 13, 15

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

**Issue date:** 05/12/2022

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