



Revision Number: 004.0

Issue date: 09/24/2021

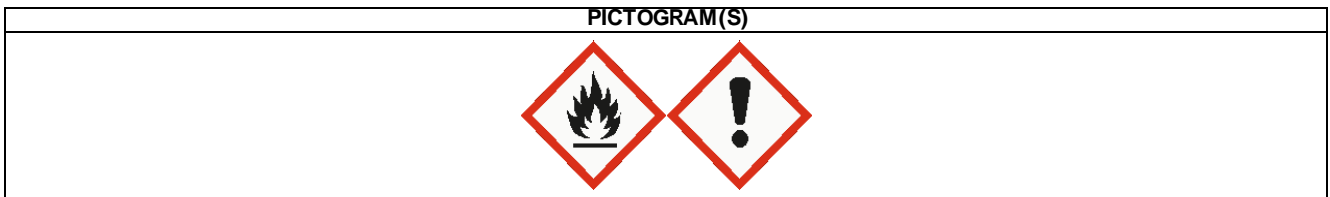
**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** OSI F-38 Heavy Duty Drywall Adhesive **IDH number:** 1630096  
**Product type/use:** Assembly adhesive, solvent **Region:** United States  
**Restriction of Use:** None identified **Contact information:**  
**Company address:** 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 SERIOUS EYE IRRITATION.  
 MAY CAUSE DROWSINESS OR DIZZINESS.

| HAZARD CLASS                                     | HAZARD CATEGORY |
|--|-----------------|
| FLAMMABLE LIQUID                                 | 2               |
| EYE IRRITATION                                   | 2A              |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3               |



**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 eye irritation persists: Get medical attention. 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* |
|------------------------|------------|-------------|
| Limestone              | 1317-65-3  | 30 - 60     |
| acetone                | 67-64-1    | 10 - 30     |

|  |            |         |
|--|------------|---------|
| Kaolin   | 1332-58-7  | 10 - 30 |
| Petroleum resins   | 64742-16-1 | 1 - 5   |
| Resin acids and Rosin acids, esters with pentaerythritol | 8050-26-8  | 1 - 5   |
| Methyl acetate   | 79-20-9    | 1 - 5   |
| Titanium dioxide   | 13463-67-7 | 0.1 - 1 |
| Quartz (SiO <sub>2</sub> ), <1% respirable               | 14808-60-7 | 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> | Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.  |
| <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>               | Foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.  |
| <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. Do not allow product to enter sewer or waterways.  |
| <b>Clean-up methods:</b>          | Use noncombustible absorbent material such as sand. Use non-sparking tools for clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear suitable protective clothing, gloves and eye/face protection. |

## 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | 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. |
| <b>Storage:</b>  | For safe storage, store between -20 °C (-4°F) and 50 °C (122°F) 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 |
|---|---|---|-----------|-------|
| Limestone   | 10 mg/m <sup>3</sup> TWA<br>Inhalable particles.<br>3 mg/m <sup>3</sup> TWA<br>Respirable particles.<br>10 mg/m <sup>3</sup> TWA Total<br>dust. | 5 mg/m <sup>3</sup> PEL<br>Respirable fraction.<br>15 mg/m <sup>3</sup> PEL Total<br>dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.<br>50 MPPCF TWA<br>Total dust.<br>15 mg/m <sup>3</sup> TWA Total<br>dust.<br>15 MPPCF TWA<br>Respirable fraction.   | None      | None  |
| acetone   | 250 ppm TWA<br>500 ppm STEL   | 1,000 ppm (2,400<br>mg/m <sup>3</sup> ) PEL   | 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  |
| Petroleum resins  | None  | None  | None      | None  |
| Resin acids and Rosin acids, esters with<br>pentaerythritol | None  | None  | None      | None  |
| Methyl acetate  | 200 ppm TWA<br>250 ppm STEL   | 200 ppm (610<br>mg/m <sup>3</sup> ) PEL   | 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  |
| Quartz (SiO <sub>2</sub> ), <1% respirable                  | 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  |

**Engineering controls:**

Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

**Respiratory protection:**

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Physical state:</b>                          | Liquid   |
| <b>Color:</b>                                   | Tan  |
| <b>Odor:</b>                                    | Strong, Solvent  |
| <b>Odor threshold:</b>                          | Not available.   |
| <b>pH:</b>                                      | 7  |
| <b>Vapor pressure:</b>                          | Not available.   |
| <b>Boiling point/range:</b>                     | 56 - 57 °C (132.8 - 134.6 °F)  |
| <b>Melting point/range:</b>                     | < 0 °C (< 32°F)  |
| <b>Specific gravity:</b>                        | 1.39   |
| <b>Vapor density:</b>                           | 2.0  |
| <b>Flash point:</b>                             | -17 °C (1.4 °F)  |
| <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>                            | Not applicable   |
| <b>Evaporation rate:</b>                        | 14.4   |
| <b>Solubility in water:</b>                     | Slightly soluble   |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.   |
| <b>VOC content:</b>                             | 0.25 %; 7.5 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method) |
| <b>Viscosity:</b>                               | 270,000 mPa.s  |
| <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> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| <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> | Inhalation, Skin contact |
|-------------------------------------|--------------------------|

**Potential Health Effects/Symptoms**

**Inhalation:** 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. 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.

**Skin contact:** Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

**Eye contact:** Contact with eyes can cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Hazardous Component(s)                                   | LD50s and LC50s  | Immediate and Delayed Health Effects                    |
|--|--|---|
| Limestone  | None   | Nuisance dust   |
| 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                        |
| Kaolin   | Oral LD50 (Rat) = > 5,000 mg/kg<br>Dermal LD50 (Rat) = > 5,000 mg/kg   | Nuisance dust   |
| Petroleum resins   | None   | Central nervous system                                  |
| Resin acids and Rosin acids, esters with pentaerythritol | None   | Irritant  |
| Methyl acetate   | Oral LD50 (Rabbit) = 3.7 g/kg  | Blood, Central nervous system, Eyes, Irritant           |
| 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 |
| Quartz (SiO <sub>2</sub> ), <1% respirable               | None   | Immune system, Lung, Some evidence of carcinogenicity   |

| Hazardous Component(s)                                   | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|-------------------------------|-----------------|--|
| Limestone  | No                            | No              | No                                       |
| acetone  | No                            | No              | No                                       |
| Kaolin   | No                            | No              | No                                       |
| Petroleum resins   | No                            | No              | No                                       |
| Resin acids and Rosin acids, esters with pentaerythritol | No                            | No              | No                                       |
| Methyl acetate   | No                            | No              | No                                       |
| Titanium dioxide   | No                            | Group 2B        | No                                       |
| Quartz (SiO <sub>2</sub> ), <1% respirable               | Known To Be Human Carcinogen. | Group 1         | Yes                                      |

**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  
**DOT Hazardous Substance(s):** Acetone

### 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 None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** Formaldehyde (CAS# 50-00-0).  
**CERCLA/SARA Section 311/312:** Fire, Immediate Health, Delayed Health  
**CERCLA/SARA Section 313:** None above reporting de minimis.

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

### Canada Regulatory Information

**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): 8

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

**Issue date:** 09/24/2021

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