



Revision Number: 001.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: OSI 100Z GS121VOC SLN WHT 12CC **IDH number:** 1797607
Product type: Sealant **Region:** United States
Restriction of Use: None identified **Contact information:**
Company address: Telephone: (860) 571-5100
 Henkel Corporation MEDICAL EMERGENCY Phone: Poison Control Center
 One Henkel Way 1-877-671-4608 (toll free) or 1-303-592-1711
 Rocky Hill, Connecticut 06067 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: ABRASION COULD RELEASE RESPIRABLE PARTICLES OF SILICA QUARTZ, A CANCER HAZARD BY INHALATION. NORMAL USE OF THIS PRODUCT CAUSES NO SUCH RELEASE.

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 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.

Response:

If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 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. 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* |
|---|-------------|-------------|
| Limestone | 1317-65-3 | 30 - 60 |
| 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene | 98-56-6 | 10 - 30 |
| Petroleum hydrocarbon resin | Proprietary | 5 - 10 |
| Distillates (petroleum), hydrotreated light | Proprietary | 5 - 10 |
| Methyl acetate | 79-20-9 | 5 - 10 |
| CP Styrene, butadiene, divinylbenzene | Proprietary | 5 - 10 |
| Xylenes | 1330-20-7 | 1 - 5 |
| Titanium dioxide | 13463-67-7 | 1 - 5 |
| Ethylbenzene | 100-41-4 | 0.1 - 1 |
| Quartz (SiO ₂) | 14808-60-7 | 0.1 - 1 |
| Aluminium hydroxide | 21645-51-2 | 0.1 - 1 |

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

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|----------------------------|--|
| Inhalation: | If inhaled, immediately remove the affected person to fresh air. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention. |
| Skin contact: | Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention. |
| Eye contact: | In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention. |
| Ingestion: | Do not induce vomiting, seek medical advice immediately. |
| Symptoms: | See Section 11. |
| Notes to physician: | Treat symptomatically and supportively. |

5. FIRE FIGHTING MEASURES

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|---|--|
| Extinguishing media: | Water spray (fog), foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray. |
| Special firefighting procedures: | Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode. Wear full protective clothing. |
| Unusual fire or explosion hazards: | 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. |

Hazardous combustion products:

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.

Environmental precautions:

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 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:

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. Keep away from heat, spark and flame. Containers should be grounded and bonded to the receiving container.

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 |
|---|--|---|-----------|-------|
| Limestone | 10 mg/m ³ TWA Total dust. | 5 mg/m ³ PEL Respirable fraction. 15 mg/m ³ PEL Total dust. | None | None |
| 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene | None | None | None | None |
| Petroleum hydrocarbon resin | None | None | None | None |
| Distillates (petroleum), hydrotreated light | None | None | None | None |
| Methyl acetate | 200 ppm TWA 250 ppm STEL | 200 ppm (610 mg/m ³) PEL | None | None |
| CP Styrene, butadiene, divinylbenzene | None | None | None | None |
| Xylenes | 100 ppm TWA 150 ppm STEL | 100 ppm (435 mg/m ³) PEL | None | None |
| Titanium dioxide | 10 mg/m ³ TWA | 15 mg/m ³ PEL Total dust. | None | None |
| Ethylbenzene | 20 ppm TWA | 100 ppm (435 mg/m ³) PEL | None | None |
| Quartz (SiO ₂) | 0.025 mg/m ³ TWA Respirable fraction. | 2.4 MPPCF TWA Respirable. 0.1 mg/m ³ TWA Respirable. 0.3 mg/m ³ TWA Total dust. | None | None |
| Aluminium hydroxide | 10 mg/m ³ TWA (as Al) Total dust. 1 mg/m ³ TWA Respirable fraction. | 15 mg/m ³ TWA (as Al) Total dust. 5 mg/m ³ TWA (as Al) Respirable fraction. | 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:

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.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid

Color:

White

Odor:

Solvent

Odor threshold:

Not available.

pH:

not applicable

Vapor pressure:

80 mm hg (20 °C (68°F))

Boiling point/range:

60 - 149 °C (140°F - 300.2 °F) (solvent)

Melting point/ range:

Not available.

Specific gravity:

1.42

Vapor density:

Heavier than air

Flash point:

-13 °C (8.6 °F)

Flammable/Explosive limits - lower:

1 %

Flammable/Explosive limits - upper:

7 %

Autoignition temperature:

Not available.

| | |
|---|---|
| Evaporation rate: | 2 (Butyl acetate = 1) |
| Solubility in water: | Insoluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 3.7 %; 236 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method) |
| Viscosity: | Not available. |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

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|--|--|
| Stability: | Stable under normal conditions of storage and use. |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Carbon dioxide, carbon monoxide and irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. |
| Incompatible materials: | Strong oxidizing agents. |
| Reactivity: | Not available. |
| Conditions to avoid: | Heat, flames, sparks and other sources of ignition. |

11. TOXICOLOGICAL INFORMATION

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|-------------------------------------|--------------------------|
| Relevant routes of exposure: | 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 the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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 |
| 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene | None | Adrenals, Blood, Central nervous system, Immune system, Irritant, Kidney, Liver, Lung, Skin, Thyroid |
| Petroleum hydrocarbon resin | None | No Records |
| Distillates (petroleum), hydrotreated light | None | Irritant, Lung |
| Methyl acetate | Oral LD50 (RABBIT) = 3.7 g/kg | Blood, Central nervous system, Eyes, Irritant |
| CP Styrene, butadiene, divinylbenzene | None | No Records |
| Xylenes | Oral LD50 (RAT) = 6,670 mg/kg Oral LD50 (RAT) = 3,523 - 8,600 mg/kg Oral LD50 (RAT) = 4,300 mg/kg Dermal LD50 (RABBIT) = > 43 g/kg Inhalation LC50 (RAT, 4 h) = 6,350 mg/l | Cardiac, Central nervous system, Irritant, Kidney, Liver |
| Titanium dioxide | None | Irritant, Respiratory, Some evidence of carcinogenicity |
| Ethylbenzene | Oral LD50 (RAT) = 5.46 g/kg Oral LD50 (RAT) = 3,500 mg/kg Dermal LD50 (RABBIT) = 17,800 mg/kg | Irritant, Central nervous system |
| Quartz (SiO2) | None | Immune system, Lung, Some evidence of carcinogenicity |
| Aluminium hydroxide | Oral LD50 (RAT) = > 5,000 mg/kg | Irritant, Lung, Respiratory |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|-------------------------------|-----------------|--|
| Limestone | No | No | No |
| 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene | No | No | No |
| Petroleum hydrocarbon resin | No | No | No |
| Distillates (petroleum), hydrotreated light | No | No | No |
| Methyl acetate | No | No | No |
| CP Styrene, butadiene, divinylbenzene | No | No | No |
| Xylenes | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Ethylbenzene | No | Group 2B | No |
| Quartz (SiO2) | Known To Be Human Carcinogen. | Group 1 | No |
| Aluminium hydroxide | No | No | No |

12. ECOLOGICAL INFORMATION

Ecological information: Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

| | |
|--|---|
| Recommended method of disposal: | Dispose of according to Federal, State and local governmental regulations. |
| Hazardous waste number: | 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. If discarded, this product is considered a RCRA ignitable waste, D001. |

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): | Xylene (mixed) |

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 or are exempt from listing on the Toxic Substances Control Act Inventory. |
| TSCA 12 (b) Export Notification: | Chloro-fluoro solvent (CAS# 98-56-6). |
| 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). Xylenes (CAS# 1330-20-7). Ethylbenzene (CAS# 100-41-4). |
| 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. |
|------------------------------|---|

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Mary Ellen Roddy, Sr. Regulatory Affairs Specialist

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