



Revision Number: 003.1

Issue date: 10/13/2014

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** OSI® H2U® High Performance Acrylic Urethane Sealant Window, Door & Siding White 001 **IDH number:** 1256934

**Product type:** Sealant **Region:** United States

**Restriction of Use:** None identified **Contact information:**

**Company address:** Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

Telephone: (860) 571-5100  
MEDICAL EMERGENCY Phone: Poison Control Center  
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**

**WARNING:** ABRASION COULD RELEASE RESPIRABLE PARTICLES OF SILICA QUARTZ, A CANCER HAZARD BY INHALATION. NORMAL USE OF THIS PRODUCT CAUSES NO SUCH RELEASE.

MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
EYE IRRITATION	2A
SKIN SENSITIZATION	1

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

**Response:** IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Wash contaminated clothing before reuse.

**Storage:** Not prescribed

**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	10 - 30
Titanium dioxide	13463-67-7	1 - 5
Ethylene glycol	107-21-1	1 - 5
White mineral oil (petroleum), highly refined	8042-47-5	1 - 5
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
Quartz (SiO <sub>2</sub> )	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

<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours.
<b>Skin contact:</b>	Wash affected area immediately with soap and water.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If symptoms develop and persist, get medical attention.
<b>Ingestion:</b>	Consult a physician if necessary. Do not induce vomiting.
<b>Symptoms:</b>	See Section 11.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Carbon dioxide, foam, powder Water fog.
<b>Special firefighting procedures:</b>	Use water spray to keep fire exposed containers cool and disperse vapors.
<b>Unusual fire or explosion hazards:</b>	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
<b>Hazardous combustion products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

### 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>	Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewer or waterways.
<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:** Avoid prolonged or repeated skin contact with this material. Keep out of the reach of children.

**Storage:** For safe storage, store at or above 0 °C (32°F)  
Keep from freezing. Store in a cool, dry area.

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 Total dust.	5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust.	None	None
Titanium dioxide	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> PEL Total dust.	None	None
Ethylene glycol	100 mg/m <sup>3</sup> Ceiling Aerosol.	None	None	None
White mineral oil (petroleum), highly refined	5 mg/m <sup>3</sup> TWA Inhalable fraction.	5 mg/m <sup>3</sup> TWA mist 5 mg/m <sup>3</sup> PEL Mist.	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m <sup>3</sup> TWA Inhalable dust. 3 mg/m <sup>3</sup> TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m <sup>3</sup> TWA	None	None
Quartz (SiO <sub>2</sub> )	0.025 mg/m <sup>3</sup> TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m <sup>3</sup> TWA Respirable. 0.3 mg/m <sup>3</sup> TWA Total dust.	None	None
Aluminium hydroxide	10 mg/m <sup>3</sup> TWA (as Al) Total dust. 1 mg/m <sup>3</sup> TWA Respirable fraction.	15 mg/m <sup>3</sup> TWA (as Al) Total dust. 5 mg/m <sup>3</sup> TWA (as Al) Respirable fraction.	None	None

**Engineering controls:** Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established 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:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Color:</b>	White
<b>Odor:</b>	Mild, Acrylic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	7.3 - 8.5
<b>Vapor pressure:</b>	15 mm hg (20.0 °C (68°F))
<b>Boiling point/range:</b>	100 °C (212°F)
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.267
<b>Vapor density:</b>	Heavier than air

<b>Flash point:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Evaporation rate:</b>	< 0.5 (Butyl acetate = 1)
<b>Solubility in water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	0.3 %; 42 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method)
<b>Viscosity:</b>	200,000 - 300,000 cp
<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. Oxides of nitrogen.
<b>Incompatible materials:</b>	This product may react with oxidizing agents.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Do not freeze.

## 11. TOXICOLOGICAL INFORMATION

<b>Relevant routes of exposure:</b>	Inhalation, Skin contact
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**Potential Health Effects/Symptoms**

**Inhalation:** May cause irritation to nose and throat. 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.

**Skin contact:** May cause slight irritation to skin.

**Eye contact:** May cause slight irritation to eyes on contact.

**Ingestion:** Not expected to be harmful by ingestion. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Limestone	None	Nuisance dust
Titanium dioxide	None	Irritant, Respiratory, Some evidence of carcinogenicity
Ethylene glycol	Oral LD50 (RAT) = 5.89 g/kg Dermal LD50 (RABBIT) = 9,530 mg/kg	Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic
White mineral oil (petroleum), highly refined	None	Irritant
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
Quartz (SiO <sub>2</sub> )	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
Titanium dioxide	No	Group 2B	No
Ethylene glycol	No	No	No
White mineral oil (petroleum), highly refined	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
Quartz (SiO <sub>2</sub> )	Known To Be Human Carcinogen.	Group 1	No
Aluminium hydroxide	No	No	No

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

<b>Recommended method of disposal:</b>	Dispose of according to Federal, State and local governmental regulations.
<b>Hazardous waste number:</b>	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.

## 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)

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### International Air Transportation (ICAO/IATA)

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

### Water Transportation (IMO/IMDG)

<b>Proper shipping name:</b>	Not regulated
<b>Hazard class or division:</b>	None
<b>Identification number:</b>	None
<b>Packing group:</b>	None

## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	None above reporting de minimis
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimis
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health, Delayed Health
<b>CERCLA/SARA Section 313:</b>	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). Ethylene glycol (CAS# 107-21-1).
<b>California Proposition 65:</b>	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

<b>CEPA DSL/NDSL Status:</b>	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
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## 16. OTHER INFORMATION

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

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**Issue date:** 10/13/2014

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