

SAFETY DATA SHEET

acc. to OSHA HCS

Printing Date 04/01/2023

Revision Date 04/01/2023

1. Identification

- **Product Identifier**

- **Trade Name: Wooster Products Stair Saver Epoxy Kit, Aggregate Grit Mixture**

- **Article number:** 2012

- **Relevant identified uses of the substance or mixture:** Anti-slip aggregate component, Grit Mixture

Description: Wooster Products Stair Saver Epoxy Kit is designed for repair and refurbishment of embedded stair treads.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Wooster Products, Inc.
1000 Spruce Street
Wooster, OH 44691
Phone Number: 1-800-321-4936/330-264-2844

- **Information department:** sales@wooster-products.com

- **Contact for the safety data sheet:** Matt Gray

- **Emergency telephone number:** Chem-Trec: 1-800-424-9300

2. Hazards identification

Label elements

GHS Label elements

This product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms:



GHS05



GHS07



GHS08

Signal word: Danger

Hazard statement(s):

H315 – Causes skin irritation

H318 – Causes eye damage

H350 – May cause cancer. Route of exposure: Inhalation

H335 – May cause respiratory irritation

H373 – may cause damage to organs through prolonged exposure (inhalation)

In case of fire: Use appropriate media to extinguish. Product is not flammable.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards: There are no other hazards not otherwise classified that have been identified.

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3 Composition/information on ingredients		
• Chemical characterization: Mixtures		Description: Solid Mixture
Ingredient	CAS Number	% by weight
Silica, fused	60676-86-0	40-53
Red Iron Oxide	1309-37-1	5-31
Calcium Oxide	1305-78-8	3-20
Aluminum Oxide	1344-28-1	17-25
Magnesium Oxide	1309-48-4	0.1-7
Potassium Oxide	12136-45-7	0.1-3
Pyrogenic (fumed) amorphous silica	112945-52-5	0.5-2.5
Titanium Dioxide	13463-67-7	0.1-3
Quartz (SiO ₂)	14808-60-7	< 0.1
Manganese	7439-96-5	< 0.05
Beryllium	7440-41-7	< 0.0005
Cadmium (non-pyrophoric)	7440-43-9	< 0.001

There are no additional ingredients present which, within the current knowledge of the suppliers and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First-aid measures

•After inhalation:

Supply fresh air. Provide oxygen treatment if affected person has difficulty breathing. If experiencing respiratory symptoms: Call a doctor.

•After skin contact:

Brush off loose particles from skin. Wash with soap and water. If skin irritation continues, consult a doctor.

•After eye contact:

Protect unharmed eye. Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.

•After swallowing:

Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

•Most important symptoms and effects, both acute and delayed:

Coughing. Breathing difficulty. Mechanical irritation to eyes and skin. Strong irritant with the danger of severe eye injury.

•Danger:

Danger of impaired breathing. Causes serious eye damage. May cause cancer. Route of exposure: Inhalation.
May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

•Indication of any immediate medical attention and special treatment needed:

Medical supervision for at least 48 hours. If necessary, oxygen respiration treatment.
If medical advice is needed, have product container or label at hand.

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5. Fire-fighting measures

Suitable extinguishing media:Water fog. Foam. Dry chemical powder. Carbon dioxide(CO₂).**Specific hazards arising from the chemical:**

This product is non-combustible.

Fire-fighting equipment/instructions:

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Specific methods:

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards:

None known.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

LARGE SPILL: Avoid runoff into storm sewers and ditches that lead to waterways. Collect spillage using a vacuum equipped with a HEPA filter. If not possible, gently moisten before collecting with shovel and broom. Dispose of collected materials in accordance with Federal, State and local regulations.

GENERAL PROCEDURES: Never return spillage and clean-up materials to original product containers.

RELEASE NOTES: In the unused form, the material is non-hazardous as defined in state and federal regulations.

COMMENTS: Ensure clean-up is conducted by trained personnel wearing appropriate respiratory protection. Avoid inhalation of dust and contact with skin and eyes. Ventilate area if there is excessive airborne dust.

Reference to other sections:

See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.****See Section 13 for disposal information.**

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7. Handling and storage

Precautions for safe handling: Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash contaminated clothing before reuse.

Conditions for safe storage including any incompatibilities: Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

8. Exposure controls/personal protection

Control Parameters

Components with limit values that require monitoring at the workplace:

- 60676-86-0 Silica, fused
 - o PEL (USA) 20mccpf or 80 mg/m³ /%SiO₂
 - o TLV (USA) TLV withdrawn
 - o EV(Canada) Long-term value: 0.1 mg/m³ respirable
 - o LMPE (Mexico) Long-term value: 0.1 mg/m³ (j)
- 1309-37-1 Red Iron Oxide
 - o PEL (USA) Long-term value: 10* mg/m³ *Fume
 - o REL (USA) Long-term value: 5 mg/m³ (Dust & fume, as Fe)
 - o TLV (USA) Long-term value: 5* mg/m³ *as respirable fraction
 - o EL (Canada) Short-term value: 10** mg/m³
 - o EV (Canada) Long-term value: 5* 10*** 3**** mg/m³
 - o LMPE (Mexico) (*dust & fume**fume; Rouge: ***total dust****resp.)
 - o Long-term value: 5* 10** mg/m³ (respirable, including Rouge;**total dust)
 - o Long-term value: 5* mg/m³ A4, *fracción respirable
- 1344-28-1 Aluminum oxide
 - o PEL (USA) Long-term value: 15*; 5** mg/m³ *Total dust; ** Respirable fraction
 - o REL (USA) Long-term value: 10* 5** mg/m³ as Al*Total dust**Respirable/pyro powd./welding f.
 - o TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction
 - o EL (Canada) Long-term value: 1.0 mg/m³ respirable, as Al
 - o EV (Canada) Long-term value: 10 mg/m³ total dust
 - o LMPE (Mexico) Long-term value: 1* mg/m³ A4, *fracción
- 1305-78-8 Calcium oxide
 - o PEL (USA) Long-term value: 5 mg/m³
 - o REL (USA) Long-term value: 2 mg/m³
 - o TLV (USA) Long-term value: 2 mg/m³
 - o EL (Canada) Long-term value: 2 mg/m³
 - o EV (Canada) Long-term value: 2 mg/m³
 - o LMPE (Mexico) Long-term value: 2 mg/m³
- 1309-48-4 Magnesium oxide
 - o PEL (USA) Long-term value: 15* mg/m³ fume; *total particulate
 - o TLV (USA) Long-term value: 10* mg/m³ *as inhalable fraction
 - o EL (Canada) Short-term value: 10** mg/m³ Long-term value: 10* 3** mg/m³
 - o EV (Canada) *inhalable fume;**respirable dust and fume
 - o LMPE (Mexico) Long-term value: 10 mg/m³ inhalable
 - o Long-term value: 10* mg/m³ A4, *fracción respirable
- 13463-67-7 Titanium dioxide
 - o PEL (USA) Long-term value: 15* mg/m³ *total dust
 - o REL (USA) See Pocket Guide App. A
 - o TLV (USA) Long-term value: 10 mg/m³
 - o EL (Canada) Long-term value: 10* 3** mg/m³ *total dust; **respirable fraction; IARC 2B
 - o EV (Canada) Long-term value: 10 mg/m³ total dust
 - o LMPE (Mexico) Long-term value: 10 mg/m³ A4

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<ul style="list-style-type: none"> - 14808-60-7 Quartz (SiO₂) <ul style="list-style-type: none"> o PEL (USA) o REL (USA) o TLV (USA) o EL (Canada) o EV (Canada) o LMPE (Mexico) - 7631-6-9 Silica, Amorphous <ul style="list-style-type: none"> o PEL (USA) o REL (USA) 	<div style="text-align: right;">(Contd. of page 4).</div> <ul style="list-style-type: none"> Long-term value: 0.05* mg/m³ Long-term value: 0.025* mg/m³ -*as respirable fraction. See Pocket Guide App. A Long-term value: 0.025* mg/m³ *as respirable fraction Long-term value: 0.025 mg/m³ ACGIH A2; IARC 1 Long-term value: 0.10* mg/m³ *respirable fraction Long-term value: 0.025* mg/m³ A2, *fracción respirable <ul style="list-style-type: none"> 20 mppcf 6 mg/m³
<p>• Exposure controls</p> <p>• General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.</p> <p>• Engineering controls: Provide adequate ventilation.</p> <p>• Breathing equipment: Suitable respiratory protective device recommended. A NIOSH approved dust respirator should be used for operations generating dust.</p> <p>• Protection of hands: Wear gloves for protection against thermal and mechanical hazards according to OSHA and NIOSH rules.</p> <p>• Eye protection: Follow relevant national guidelines concerning the use of protective eyewear.</p> <p>• Body protection: Protective work clothing</p>	

9. Physical and chemical properties

<ul style="list-style-type: none"> • Appearance <ul style="list-style-type: none"> Form: Solid Color: Grey to Black • Odor: None • Odor threshold: Not available • pH-value: Not available 	
<ul style="list-style-type: none"> • Melting point/freezing point: >1500 °F • Boiling point: Not available • Flash point: Not available • Evaporation rate: Not available 	
<ul style="list-style-type: none"> • Flammability (solid, gas) limits: Not available • Lower and upper flammability limits: Not available • Lower and upper explosive limits: Not available • Vapor pressure: Effectively none. • Vapor density: Not available • Viscosity: Not available • Solubility: Insoluble • Partition coefficient (n-octanol/water): Not available 	
<ul style="list-style-type: none"> • Auto ignition temperature: Not applicable 	
<ul style="list-style-type: none"> • Decomposition temperature: Not available • Density: 8.1 lbs./gal • Specific gravity: 1.2 • VOC (weight %): 0 g/L 	

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10. Stability and reactivity

. Reactivity:

Product is stable and non-reactive under normal conditions of use, storage and handling.

. Chemical stability:

Product is stable under normal conditions.

. Possibility of hazardous reactions:

Hazardous polymerization does not occur.

. Conditions to avoid:

Avoid heat, sparks, open flames and other ignitions sources. Avoid temperatures exceeding the flash point. Avoid contact with incompatible materials.

. Incompatible materials:

None known.

. Hazardous decomposition products:

No hazardous decomposition products are known.

11. Toxicological information

. Information on likely routes of exposure

. Ingestion: Expected to be a low ingestion hazard.

. Inhalation: Prolonged inhalation may be harmful.

. Skin contact: May be harmful in contact with skin.

. Eye contact: Direct contact with eyes may cause temporary irritation.

. Symptoms related to the physical, chemical and toxicological characteristics: Direct contact with eyes may cause temporary irritation.

. Information on toxicological effects

. Acute toxicity: May be harmful in contact with skin. Expected to be a low hazard for usual industrial or commercial handling.

. Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

. Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.

. Respiratory or skin sensitization

. Respiratory sensitization: Not available.

. Skin sensitization: This product is not expected to cause skin sensitization.

. Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Crystalline SiO ₂ (Quartz) (CAS 14808-60-7)	1 Carcinogenic to humans.
Beryllium (CAS 7440-41-7)	1 Carcinogenic to humans.
Cadmium (pyrophoric) (CAS 7440-43-9)	1 Carcinogenic to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly Carcinogenic
Red Iron Oxide (CAS 13099-37-1)	3 Not Classified as to its Carcinogenicity

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

7440-43-9 cadmium (pyrophoric)

US. National Toxicology Program (NTP) Report on Carcinogens

Crystalline SiO ₂ (Quartz) (CAS 14808-60-7)	K
Beryllium (CAS 7440-41-7)	K
Cadmium (pyrophoric) (CAS 7440-43-9)	K

. Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

. Specific target organ toxicity - single exposure: May cause respiratory irritation.

. Specific target organ toxicity - repeated exposure: May cause respiratory irritation through prolonged exposure.

. Aspiration hazard: Not available.

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12 Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT (DEPARTMENT OF TRANSPORTATION)

OTHER SHIPPING INFORMATION: Unused product is not regulated as a hazardous material by DOT.

COMMENTS: Unused product is not regulated as dangerous goods by the International Air Transport Association (IATA), International Maritime Dangerous

Goods (IMDG) or Transport Canada (TDG).

. **Special precautions for user:** Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transportation (sea, air, etc.) does not indicate that the product is packaged suitably for that mode of transportation. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and all actions in case of emergency situations.

. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** This product is not intended to be transported in bulk.

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15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

- United States (USA)

- SARA

- Section 302 (extremely hazardous substances):

None of the ingredients are listed.

- Section 355 (extremely hazardous substances):

None of the ingredients are listed.

- Section 313 (Specific toxic chemical listings):

1344-28-1 Aluminum oxide

- TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.

- Proposition 65 (California)

- Chemicals known to cause cancer:

13463-67-7 Titanium dioxide

14808-60-7 Quartz (SiO₂)

7440-41-7 beryllium

7440-43-9 cadmium (pyrophoric)

- Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

- Chemicals known to cause developmental toxicity for males:

7440-43-9 cadmium (pyrophoric)

- Chemicals known to cause developmental toxicity:

7440-43-9 cadmium (pyrophoric)

- EPA (Environmental Protection Agency):

None of the ingredients are listed.

- IARC (International Agency for Research on Cancer):

60676-86-0 Silica, fused 3

1309-37-1 Red Iron Oxide 3

13463-67-7 Titanium dioxide 2B

14808-60-7 Quartz (SiO₂) 1

7440-41-7 beryllium 1

7440-43-9 cadmium (pyrophoric) 1

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16. Other information

. Hazardous Materials Information System (HMIS):

Health	0
Flammability	0
Physical Hazards	0

. NFPA Rating:

Health	0
Flammability	0
Instability	0

Caution: HMIS® ratings are based on a 0-4 scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). The customer is responsible for determining the PPE code for this material.

Although the information and recommendations contained in this SDS are presented in good faith and are believed to be correct as the date of this SDS, Wooster Products makes no representations as to the completeness or accuracy thereof. Final determination of suitability of any material is the sole responsibility of the user. In no event will Wooster Products or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.