## Wood Restore Repair Putty Hardener

## SECTION 1: Identification

### Product identifier

**Product name:** Wood Restore Repair Putty Hardener
**Product code:** 40003, 40004 Part B

### Recommended use of the product and restriction on use

**Relevant identified uses:** Dibenzoyl peroxide, paste. Hardening/Curing agent. Catalyst.
**Uses advised against:** Not determined or not applicable.
**Reasons why uses advised against:** Not determined or not applicable.

### Manufacturer or supplier details

**Manufacturer:**
**United States**
J-B Weld Company, LLC
400 CMH Road
Sulphur Springs, TX 75482
903-885-7696
info@jbweld.com

### Emergency telephone number:

**United States**
CHEMTREC
Transportation Emergencies (24 hour): 800-424-9300 or 703-527-3887
Poison Control Centers (24 hour): medical emergencies 800-222-1222

## SECTION 2: Hazard(s) identification

### GHS classification:

Organic peroxides, type E
Eye irritation, category 2A
Skin sensitization, category 1

### Label elements

**Hazard pictograms:**

**Signal word:** Warning

### Hazard statements:

H242 Heating may cause a fire.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

### Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P220 Keep/Store away from clothing/combustible materials.
P234 Keep only in original container.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing must not be allowed out of the workplace.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical advice/attention
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P410 Protect from sunlight.
P420 Store away from other materials.
P411+P235 Store at temperatures not exceeding 30°C. Keep cool.
P501 Dispose of contents/container in accordance with local regulations.

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

| Identification | Name | Weight % |
|---|---|---|
| CAS number: 94-36-0 | Benzoyl peroxide | 45-52 |
| CAS number: 5444-75-7 | 2-Ethylhexyl benzoate | 10-20 |
| CAS number: 107-21-1 | Ethane-1,2-diol | 5-10 |
| CAS number: 13397-24-5 | Gypsum | 22-26 |

**Additional Information:**

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA hazard Communication Standard (29 CFR §1910.1200).

## SECTION 4: First aid measures

### Description of first aid measures

**General notes:**

Not determined or not applicable.

**After inhalation:**

Remove victim to fresh air and place in a position comfortable for breathing. If respiratory symptoms develop and persist or if feeling unwell: seek medical advice/attention. If breathing is difficult, administer oxygen. If breathing has stopped, trained personnel should begin rescue breathing and get emergency medical aid

**After skin contact:**

Take off all contaminated clothing. Rinse affected area with soap and water. Gently blot or brush away excess product. Seek medical advice/attention if symptoms develop or if concerned

**After eye contact:**

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so

Continue rinsing for 15-20 minutes
Get medical advice if eye irritation persists

**After swallowing:**

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

**Most important symptoms and effects, both acute and delayed**

**Acute symptoms and effects:**

Symptoms related to skin sensitizing may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis
Symptoms related to eye irritation may include redness, pain, inflammation, itching, burning, and tearing

**Delayed symptoms and effects:**

Effects are dependent on exposure (dose, concentration, contact time)

**Immediate medical attention and special treatment**

**Specific treatment:**

Not determined or not applicable.

**Notes for the doctor:**

Treat symptomatically

## SECTION 5: Firefighting measures

**Extinguishing media**

**Suitable extinguishing media:**

$CO_2$, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

**Unsuitable extinguishing media:**

Not determined or not applicable.

**Specific hazards during fire-fighting:**

Thermal decomposition can lead to release of irritating gases and vapors
Following may be released: Carbonic anhydride ($CO_2$), Carbon monoxide (CO), Benzoic acid, Benzene, Biphenyl Phenyl benzoate. Under certain fire conditions, traces of other toxic gases cannot be excluded

**Special protective equipment for firefighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

**Special precautions:**

Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. It must not enter the sewage system

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing
Keep unprotected persons away
Use respiratory protective device against the effects of fumes/dust/aerosol. Keep away from ignition sources

**Environmental precautions:**

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Inform respective authorities in case of seepage into water course or sewage system

**Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing
Pick up mechanically. Do not allow to dry out. Ensure adequate ventilation
Dispose of contents / container in accordance with local regulations

**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

## SECTION 7: Handling and storage

**Precautions for safe handling:**

Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Keep away from heat and direct sunlight.
Protect against electrostatic charges

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.
Store only in the original receptacle.
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Prevent from drying out. Protect from heat and direct sunlight.
Keep ignition sources away - Do not smoke. Substance/product is oxidizing when dry.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

**Occupational Exposure limit values:**

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| ACGIH | Benzoyl peroxide | 94-36-0 | 8-Hour exposure limit: 5 mg/m³ |
| | Gypsum | 13397-24-5 | 8-Hour exposure limit: 10 mg/m³ (Inhalable fraction) |
| | Ethane-1,2-diol | 107-21-1 | 8-hour Exposure Limit (TLV-TWA): 25 ppm (vapor fraction) |
| | Ethane-1,2-diol | 107-21-1 | 15-minute STEL: 50 ppm (vapor fraction) |
| | Ethane-1,2-diol | 107-21-1 | 15-minute STEL: 10 mg/m³ (aerosol only, inhalable fraction) |
| NIOSH | Benzoyl peroxide | 94-36-0 | REL: 5 mg/m³ |
| | Benzoyl peroxide | 94-36-0 | Immediately dangerous to life or health (IDLH): 1500 mg/m³ |
| | Gypsum | 13397-24-5 | REL: 10 mg/m³ |
| | Gypsum | 13397-24-5 | REL: 5 mg/m³ (Respirable dust) |
| United States (OSHA) | Benzoyl peroxide | 94-36-0 | TWA: 5 mg/m³ |
| | Gypsum | 13397-24-5 | PEL: 15 mg/m³ (Total dust) |
| | Gypsum | 13397-24-5 | PEL: 5 mg/m³ (Respirable dust) |

**Wood Restore Repair Putty Hardener**

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| | Ethane-1,2-diol | 107-21-1 | Ceiling concentration: 50 ppm (125 mg/m³) |

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Information on monitoring procedures:**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

**Personal protection equipment**

**Eye and face protection:**

Safety goggles or glasses, or appropriate eye protection.

**Skin and body protection:**

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection:**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**General hygienic measures:**

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Pasty, appearance different according to coloring |
| **Odor** | Characterisitic |
| **Odor threshold** | Not determined or not available. |
| **pH** | Not determined or not available. |
| **Melting point/freezing point** | Not determined or not available. |
| **Initial boiling point/range** | Not determined or not available. |
| **Flash point (closed cup)** | Not determined or not available. |
| **Evaporation rate** | Not determined or not available. |
| **Flammability (solid, gas)** | May cause fire |
| **Upper flammability/explosive limit** | Not determined or not available. |
| **Lower flammability/explosive limit** | Not determined or not available. |
| **Vapor pressure** | Not determined or not available. |
| **Vapor density** | Not determined or not available. |
| **Density** | 1.16 - 1.24 g/cm³ |

| | |
|---|---|
| **Relative density** | Not determined or not available. |
| **Solubilities** | Insoluble in water |
| **Partition coefficient (n-octanol/water)** | Not determined or not available. |
| **Auto/Self-ignition temperature** | Not determined or not available. |
| **Decomposition temperature** | SADT = 50 °C. The SADT (self-accelerating decomposition temperature) is an experimentally determined temperature at which the product, in its conventional packaging will decompose in a self accelerating reaction. |
| **Dynamic viscosity** | Not determined or not available. |
| **Kinematic viscosity** | Not determined or not available. |
| **Explosive properties** | Product does not present an explosion hazard |
| **Oxidizing properties** | Not determined or not available. |

**Other information**

## SECTION 10: Stability and reactivity

**Reactivity:**
Does not react under normal conditions of use and storage.

**Chemical stability:**
No decomposition if used and stored according to specifications.
Exothermic thermal decomposition.
Visible decomposition with spontaneous ignition on heating.
SADT = 50 °C SADT (Self accelerating decomposition temperature) is the lowest temperature at which self accelerating decomposition may occur with a substance in the packaging as used in transport. A dangerous self-accelerating decomposition reaction and, under certain circumstances, explosion or fire can be caused by thermal decomposition at and above the SADT. Contact with incompatible substances can cause decomposition at or below the SADT

**Possibility of hazardous reactions:**
Reacts with reducing agents, heavy metals, alkali, amines and strong acids.

**Conditions to avoid:**
None known.

**Incompatible materials:**
Reducing agents like amines, acids, alkali, compounds based on heavy metals (p.e. accelerators).

**Hazardous decomposition products:**
Benzoic acid, Benzene, Biphenyl Phenyl benzoate

## SECTION 11: Toxicological information

**Acute toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name | Route | Result |
|---|---|---|
| Benzoyl peroxide | oral | LD50 Oral - Rat - 77100 mg/kg |
| Ethane-1,2-diol | oral | LD50 - Cat - 1,650 mg/kg |

**Skin corrosion/irritation**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

**Serious eye damage/irritation**

**Assessment:**

Causes serious eye irritation

**Product data:**

No data available.

**Substance data:**

| Name | Result |
|---|---|
| Benzoyl peroxide | Causes eye irritation |

**Respiratory or skin sensitization**

**Assessment:**

May cause an allergic skin reaction

**Product data:**

No data available.

**Substance data:**

| Name | Result |
|---|---|
| Benzoyl peroxide | May cause an allergic skin reaction. |

**Carcinogenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

**Germ cell mutagenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

**Reproductive toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

**Specific target organ toxicity (single exposure)**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

**Specific target organ toxicity (repeated exposure)**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

**Aspiration toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**
No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:**
No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:**
No data available.

**Other information:**
No data available.

## SECTION 12: Ecological information

**Acute (short-term) toxicity**

**Assessment:**
Very toxic to aquatic life

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| 2-Ethylhexyl benzoate | LC50 - Rainbow Trout - > 0.66 mg/L (96 H) |
| | EC50 - Daphnia magna - > 0.125 mg/L - (48 H) |
| Ethane-1,2-diol | LC50 - Pimephales promelas - 72860 mg/L - (96 H) |
| | EC50 - Daphnia magna - > 13900 mg/L - (48 H) |
| | EC50 - Green Algae - 479 mg/L - 72 H |
| dibenzoyl peroxide | EC50 - Daphnia magna - 0.110 mg/L - (48 H) |
| | LC50 - Oncorhynchus mykiss - 0.0602 mg/L - (96 H) |
| | ErC50 - Green Algae - 0.0711 mg/L - 72 H |

**Chronic (long-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Ethane-1,2-diol | NOEC - Pimephales promelas - 2629 mg/L - (7 d) |
| | EC50 - Daphnia magna - 690 mg/L - (16 d) |

**Persistence and degradability**

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Benzoyl peroxide | Readily biodegradable. |
| 2-Ethylhexyl benzoate | The test substance is readily biodegradable under conditions tested. At the end of the 10 day window, more than 60% degradation was reached. |
| Ethane-1,2-diol | Readily biodegradable in water. |

**Bioaccumulative potential**

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Ethane-1,2-diol | Bioaccumulation in organisms is not to be expected. |

**Mobility in soil**

**Product data:** No data available.
**Substance data:**

| Name | Result |
|---|---|
| Benzoyl peroxide | Is not considered mobile in soil and sediments. |
| Ethane-1,2-diol | Adsorption into soil is not expected. |

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

**Disposal methods:**
It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information

**United States Transportation of dangerous goods (49 CFR DOT)**

| | |
|---|---|
| **UN number** | Not regulated |
| **UN proper shipping name** | Not regulated |
| **UN transport hazard class(es)** | None |
| **Packing group** | None |
| **Environmental hazards** | None |
| **Special precautions for user** | None |
| **Additional Information** | According to the provisions set forth in 49 CFR § 173.165(c), limited quantity packages of polyester resin kits are excepted from labeling requirements. And according to 49 CFR § 171.4(c)(1), the requirements relating to Marine Pollutant would also not apply to non-bulk packagings. |

**International Maritime Dangerous Goods (IMDG)**

| | |
|---|---|
| **UN number** | 3108 |
| **UN proper shipping name** | Organic Peroxide Type E, Solid |
| **UN transport hazard class(es)** | 5.2   |
| **Packing group** | None |
| **Environmental hazards** | Marine Pollutant (Benzoyl Peroxide) |
| **Special precautions for user** | Warning: Organic peroxides. |
| **EmS number** | F-J, S-R |

**International Air Transport Association Dangerous Goods Regulations (IATA-DGR)**

| | |
|---|---|
| **UN number** | 3108 |
| **UN proper shipping name** | Organic Peroxide Type E, Solid |
| **UN transport hazard class(es)** | 5.2   |
| **Packing group** | None |
| **Environmental hazards** | None |

| | |
|---|---|
| **Special precautions for user** | None |

## SECTION 15: Regulatory information

### United States regulations

**Inventory listing (TSCA):** All ingredients are listed or exempted.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

**SARA Section 313 toxic chemicals:**

| | | |
|---|---|---|
| 94-36-0 | Benzoyl peroxide | Not Listed |
| 5444-75-7 | 2-Ethylhexyl benzoate | Not Listed |
| 107-21-1 | Ethane-1,2-diol | Listed |
| 13397-24-5 | Gypsum | Not Listed |

**CERCLA:**

| | | | |
|---|---|---|---|
| 107-21-1 | Ethane-1,2-diol | Listed | 5,000 |

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:**

| | | |
|---|---|---|
| 94-36-0 | Benzoyl peroxide | Listed |
| 5444-75-7 | 2-Ethylhexyl benzoate | Not Listed |
| 107-21-1 | Ethane-1,2-diol | Listed |
| 13397-24-5 | Gypsum | Listed |

**New Jersey Right to Know:**

| | | |
|---|---|---|
| 94-36-0 | Benzoyl peroxide | Listed |
| 5444-75-7 | 2-Ethylhexyl benzoate | Not Listed |
| 107-21-1 | Ethane-1,2-diol | Listed |
| 13397-24-5 | Gypsum | Listed |

**New York Right to Know:**

| | | |
|---|---|---|
| 94-36-0 | Benzoyl peroxide | Listed |
| 5444-75-7 | 2-Ethylhexyl benzoate | Not Listed |
| 107-21-1 | Ethane-1,2-diol | Listed |
| 13397-24-5 | Gypsum | Not Listed |

**Pennsylvania Right to Know:**

| | | |
|---|---|---|
| 94-36-0 | Benzoyl peroxide | Listed |
| 5444-75-7 | 2-Ethylhexyl benzoate | Not Listed |
| 107-21-1 | Ethane-1,2-diol | Listed |
| 13397-24-5 | Gypsum | Listed |

**California Proposition 65:**

⚠**WARNING**: This product can expose you to Ethane-1,2-diol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-0-0

**HMIS:** 2-0-1

**Initial preparation date:** 05.21.2019

**End of Safety Data Sheet**

## Wood Restore – Wood Filler

## SECTION 1: Identification

### Product identifier

**Product name:** Wood Restore – Wood Filler
**Product code:** 40003, 40004

### Recommended use of the product and restriction on use

**Relevant identified uses:** Paints and coatings. This product should only be used for industrial applications and is not intended to be used by children. Keep away from children.
**Uses advised against:** Not determined or not applicable.
**Reasons why uses advised against:** Not determined or not applicable.

### Manufacturer or supplier details

**Manufacturer:**
**United States**
J-B Weld Company, LLC
400 CMH Road
Sulphur Springs, TX 75482
903-885-7696
info@jbweld.com

### Emergency telephone number:

**United States**
CHEMTREC
Transportation Emergencies (24 hour): 800-424-9300 or
703-527-3887
Poison Control Centers (24 hour): medical emergencies 800-222-1222

## SECTION 2: Hazard(s) identification

### GHS classification:

Flammable liquids, category 3
Eye irritation, category 2A
Skin irritation, category 2
Aspiration hazard, category 1
Acute toxicity (inhalation), category 4
Specific target organ toxicity - single exposure, category 3, respiratory irritation
Specific target organ toxicity - repeated exposure, category 1
Reproductive toxicity, category 2

### Label elements

**Hazard pictograms:**

**Signal word:** Danger

### Hazard statements:

H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H372 Causes damage to organs (ear) through prolonged or repeated exposure by Inhalation.
H361 Suspected of damaging the unborn child.

**Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P270 Do not eat, drink or smoke when using this product.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P370+P378 In case of fire: Use agents recommended in section 5 for extinction.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+P313 If skin irritation occurs: Get medical advice/attention
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical advice/attention
P321 Specific treatment (see supplemental first aid instructions on this label).
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P314 Get medical advice/attention if you feel unwell
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P308+P313 If exposed or concerned: Get medical advice/attention
P403+P235 Store in a well ventilated place. Keep cool.
P405 Store locked up.
P403+P233 Store in a well ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local regulations.

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

| Identification | Name | Weight % |
|---|---|---|
| CAS number: 14807-96-6 | Talc (Non asbestos) | 45-55 |
| CAS number: 13463-67-7 | Titanium Dioxide | 8-10 |
| CAS number: 65997-17-3 | Glass enamel | 10-15 |

| | | |
|---|---|---|
| CAS number: 100-42-5 | Styrene | 35-45 |

**Additional Information:**

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200).

Fiberglass powder (CAS # 65997-17-3) is classified as a carcinogen in its inhalable form. Since the fiberglass powder in this product is not inhalable, the product itself is not classified as a carcinogen in the form presented.

## SECTION 4: First aid measures

### Description of first aid measures

**General notes:**

Not determined or not applicable.

**After inhalation:**

If inhaled, removed person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention

**After skin contact:**

Take off all contaminated clothing. Rinse affected area with soap and water. Gently blot or brush away excess product. If skin irritation develops or persists, seek medical advice/attention

**After eye contact:**

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open

Continue rinsing. Seek medical attention

Remove contact lenses, if present and easy to do so

**After swallowing:**

Get immediate medical attention. Aspiration hazard. Do not induce vomiting or give anything by mouth because this material can enter lungs and cause Chemical Pneumonitis. Do not induce vomiting unless instructed to do so by poison center or physician

If vomiting spontaneously occurs, place victim on side in the recovery position to prevent aspiration into the lungs

### Most important symptoms and effects, both acute and delayed

**Acute symptoms and effects:**

Eye irritation, skin irritation, aspiration, respiratory irritation. Symptoms may include redness, itching, corneal irritation, difficulty breathing, cough, vomiting, dizziness

**Delayed symptoms and effects:**

Causes damage to ear through prolonged exposure by inhalation. Causes damage to unborn child

### Immediate medical attention and special treatment

**Specific treatment:**

Not determined or not applicable.

**Notes for the doctor:**

Not determined or not applicable.

## SECTION 5: Firefighting measures

### Extinguishing media

**Suitable extinguishing media:**

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material

**Unsuitable extinguishing media:**

Do not use a water stream as an extinguisher

**Specific hazards during fire-fighting:**

Vapors can flow to distant ignition sources and flashback
Liquid is volatile and may generate an explosive atmosphere
Thermal decomposition can lead to release of oxides of carbon and other potentially toxic fumes

**Special protective equipment for firefighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

**Special precautions:**

Shut off sources of ignition
Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion
During fire, water spray can scatter flames and should be used by experienced firefighters

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing
Beware of vapors accumulating to form explosive concentrations
Vapors can accumulate in low areas
Wear recommended personal protective equipment (see Section 8)

**Environmental precautions:**

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

**Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing
Use spark-proof tools and explosion-proof equipment
Absorb with non-combustible liquid-binding material (sand, diatomaceus earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

**Reference to other sections:**

Not determined or not applicable.

## SECTION 7: Handling and storage

**Precautions for safe handling:**

Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Take precautionary measures against electrostatic discharges.
Use only non-sparking tools.
Wear recommended personal protective equipment (see Section 8).

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.
Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

Store in closed containers away strong oxidizing agents.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

**Occupational Exposure limit values:**

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| United States (OSHA) | Talc (Non asbestos) | 14807-96-6 | OSHA PEL Ceiling 20 mppcf |
| | Styrene | 100-42-5 | 8 Hour (PEL-TWA) : 100 ppm |
| | Titanium Dioxide | 13463-67-7 | OSHA PEL TWA 15 mg/m³ (Total dust) |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (PEL-TWA): 15 mg/m³ |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (PEL-TWA): 5 mg/m³ (respirable) |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (PEL-TWA): 15 mg/m³ (total dust) |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (PEL-TWA): 15 mg/m³ (fibrous glass) |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (PEL-TWA): 15 mg/m³ (fibrous glass as total dust) |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (PEL-TWA): 5 mg/m³ (fibrous glass - respirable) |
| | Glass enamel | 65997-17-3 | 10-Hour Exposure Limite (REL-TWA): 3 fibers/cm³ (fibers ≤3.5 µm in diameter, ≥10 µm in length); 5 mg/m³ (total) |
| | Glass enamel | 65997-17-3 | 10-Hour Exposure Limite (REL-TWA): 15 mg/m³ (fibrous glass - total)) |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (TLV-TWA): 5 mg/m³ (continuous filament glass fibers as inhalable particulate matter) |
| ACGIH | Talc (Non asbestos) | 14807-96-6 | ACGIH TLV TWA 2 mg/m³; (Inhalable particulate matter containing no asbestos and < 1% crystalline silica) |
| | Styrene | 100-42-5 | 8 hour (TLV-TWA) : 10 ppm |
| | Titanium Dioxide | 13463-67-7 | ACGIH TLV TWA 10 mg/m³ |
| | Styrene | 100-42-5 | 15-minute (STEL) : 20 ppm |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (TLV-TWA): 1 fibers/cm³ |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (TLV-TWA): 1 fiber/cc (continuous filament glass fibers) |
| | Glass enamel | 65997-17-3 | 8-Hour Exposure Limit (TLV-TWA): 5 mg/m³ (continuous filament glass fibers as inhalable particulate matter]; |
| NIOSH | Talc (Non asbestos) | 14807-96-6 | NIOSH REL TWA 2.0 mg/m³ |

**Wood Restore – Wood Filler**

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| | Styrene | 100-42-5 | 8 Hour (TWA) : 215 mg/m³ (50 ppm) |
| | Styrene | 100-42-5 | 15-minute (STEL): 425 mg/m³ (100 ppm) |
| | Styrene | 100-42-5 | 10-hour (REL) : 215 mg/m³ (50 ppm) |
| | Titanium Dioxide | 13463-67-7 | IDLH: 5,000 mg/m³ |
| | Glass enamel | 65997-17-3 | NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek] is: 3 fibers/cm3 |
| | Glass enamel | 65997-17-3 | 10-Hour Exposure Limite (REL-TWA): 3 fibers/cm³ (fibers ≤3.5 µm in diameter, ≥10 µm in length) |
| | Glass enamel | 65997-17-3 | 10-Hour Exposure Limite (REL-TWA): 15 mg/m³ (fibrous glass - total)) |
| United States (California) | Styrene | 100-42-5 | 8 Hour (TWA) : 215 mg/m³ (50 ppm) |
| | Styrene | 100-42-5 | 15-minute (STEL) : 425 mg/m³ (100 ppm) |

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Information on monitoring procedures:**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.
Use explosion-proof ventilation equipment.

**Personal protection equipment**

**Eye and face protection:**

Safety goggles or glasses, or appropriate eye protection.

**Skin and body protection:**

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection:**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**General hygienic measures:**

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Off-white paste |
| **Odor** | Mineral spirits |
| **Odor threshold** | Not available |
| **pH** | Not available |
| **Melting point/freezing point** | Not available |
| **Initial boiling point/range** | 148.8°C (300°F) |
| **Flash point (closed cup)** | 40°C (104°F) PMCC |
| **Evaporation rate** | > 1 Butyl Acetate = 1 |
| **Flammability (solid, gas)** | Flammable |
| **Upper flammability/explosive limit** | 6 Vol. % |
| **Lower flammability/explosive limit** | 1 Vol. % |
| **Vapor pressure** | 2 mmHg |
| **Vapor density** | 4.9 Air = 1 |
| **Density** | Not determined or not available. |
| **Relative density** | 1.07 - 1.10. ASTM D-1475-98 |
| **Solubilities** | None. |
| **Partition coefficient (n-octanol/water)** | Not determined or not available. |
| **Auto/Self-ignition temperature** | Not determined or not available. |
| **Decomposition temperature** | Not determined or not available. |
| **Dynamic viscosity** | Not determined or not available. |
| **Kinematic viscosity** | Not determined or not available. |
| **Explosive properties** | Not determined or not available. |
| **Oxidizing properties** | Not determined or not available. |

### Other information

| | |
|---|---|
| **VOC** | 1.46 lbs/gal or 175 g/L |

## SECTION 10: Stability and reactivity

**Reactivity:**
Does not react under normal conditions of use and storage.

**Chemical stability:**
Stable at normal temperatures and pressures.

**Possibility of hazardous reactions:**
Will not occur.

**Conditions to avoid:**
Heat, sparks or open flames.

**Incompatible materials:**
Oxidizing agents.

**Hazardous decomposition products:**
Oxides of carbon and other potentially toxic fumes.

## SECTION 11: Toxicological information

**Wood Restore – Wood Filler**

**Acute toxicity**

**Assessment:**

Harmful if inhaled

**Product data:** No data available.

**Substance data:**

| Name | Route | Result |
|---|---|---|
| Styrene | oral | LD50 - Rat - > 5000 mg/kg |
| | dermal | LD50 - Rat - > 2000 mg/kg |
| | inhalation | LC50 - Rat - 11.8 mg/L (4 h) |

**Skin corrosion/irritation**

**Assessment:**

Causes skin irritation

**Product data:**

No data available.

**Substance data:** No data available.

**Serious eye damage/irritation**

**Assessment:**

Causes serious eye irritation

**Product data:**

No data available.

**Substance data:** No data available.

**Respiratory or skin sensitization**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

**Carcinogenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name | Species | Result |
|---|---|---|
| Glass enamel | Not applicable | May cause cancer via inhalation. |
| Titanium Dioxide | Not applicable. | Airborne, unbound particles of respirable size are known to cause cancer. |

**International Agency for Research on Cancer (IARC):**

| Name | Classification |
|---|---|
| Talc (Non asbestos) | Group 3 - Not classifiable as to its carcinogenicity to humans |
| Glass enamel | Group 2B |
| Titanium Dioxide | Group 2B |

**National Toxicology Program (NTP):**

| Name | Classification |
|---|---|
| Glass enamel | Reasonably anticipated to be human carcinogens |

**Germ cell mutagenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**
No data available.
**Substance data:** No data available.

**Reproductive toxicity**
**Assessment:**
Suspected of damaging fertility or the unborn child
**Product data:**
No data available.
**Substance data:** No data available.

**Specific target organ toxicity (single exposure)**
**Assessment:**
May cause respiratory irritation
**Product data:**
No data available.
**Substance data:**

| Name | Result |
|---|---|
| Styrene | May cause respiratory irritation. |

**Specific target organ toxicity (repeated exposure)**
**Assessment:**
Causes damage to organs through prolonged or repeated exposure
**Product data:**
No data available.
**Substance data:**

| Name | Result |
|---|---|
| Styrene | Causes damage to ear through prolonged or repeated inhalation. |

**Aspiration toxicity**
**Assessment:**
May be fatal if swallowed and enters airways
**Product data:**
No data available.
**Substance data:**

| Name | Result |
|---|---|
| Styrene | May be fatal if swallowed and enters airways. |

**Information on likely routes of exposure:**
No data available.
**Symptoms related to the physical, chemical and toxicological characteristics:**
No data available.
**Other information:**
No data available.

## SECTION 12: Ecological information

**Acute (short-term) toxicity**
**Assessment:** Based on available data, the classification criteria are not met.
**Product data:** No data available.
**Substance data:**

| Name | Result |
|---|---|
| Styrene | LC50 - Freshwater fish - 4.02 mg/L |
| | LC50 - Daphnia magna - 4.7 mg/l ( 48 h) |
| | LC50 - Freshwater algae - 4.9 mg/L |
| | LC50 - Pseudomonas putida - 72 mg/L |

**Chronic (long-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Styrene | LC50 - Pimephales promelas - 4.02 mg/l (96 h) |
| | LC50 - Daphnia magna - >3.84 mg/L (48 h) |

**Persistence and degradability**

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Styrene | Readily biodegradable in water. |

**Bioaccumulative potential**

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Styrene | Does not bioaccumulate. |

**Mobility in soil**

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Styrene | Koc at 20 °C: 352; Adsorption to solid soil phase is possible |

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

**Disposal methods:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information

**United States Transportation of dangerous goods (49 CFR DOT)**

| | |
|---|---|
| **UN number** | UN 3269 |
| **UN proper shipping name** | Polyester Resin Kit |
| **UN transport hazard class(es)** | 3  |
| **Packing group** | III |
| **Environmental hazards** | None |
| **Special precautions for user** | None |
| **Passenger air/rail** | 5 Kg |

**Wood Restore – Wood Filler**

| | |
|---|---|
| **Cargo aircraft only** | 5 Kg |
| **Stowage category** | B |

**International Maritime Dangerous Goods (IMDG)**

| | |
|---|---|
| **UN number** | UN 3269 |
| **UN proper shipping name** | Polyester Resin Kit |
| **UN transport hazard class(es)** | 3  |
| **Packing group** | III |
| **Environmental hazards** | None |
| **Special precautions for user** | None |
| **EmS number** | F-E, S-D |
| **Stowage category** | A |
| **Limited quantity** | 5L |

**International Air Transport Association Dangerous Goods Regulations (IATA-DGR)**

| | |
|---|---|
| **UN number** | UN 3269 |
| **UN proper shipping name** | Polyester Resin Kit |
| **UN transport hazard class(es)** | 3  |
| **Packing group** | III |
| **Environmental hazards** | None |
| **Special precautions for user** | None |
| **ERG code** | 3L |
| **Excepted quantities** | E0 |
| **Passenger and cargo** | 10 Kg |
| **Cargo aircraft only** | 10 Kg |
| **Limited quantity** | 5 Kg |

## SECTION 15: Regulatory information

**United States regulations**

**Inventory listing (TSCA):**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Non asbestos) | Listed |
| 100-42-5 | Styrene | Listed |
| 65997-17-3 | Glass enamel | Listed |
| 13463-67-7 | Titanium Dioxide | Listed |

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 extremely hazardous substances:** None of the ingredients are listed.

**SARA Section 313 toxic chemicals:**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Non asbestos) | Not Listed |

## Wood Restore – Wood Filler

| | | |
|---|---|---|
| 100-42-5 | Styrene | Listed |
| 65997-17-3 | Glass enamel | Not Listed |
| 13463-67-7 | Titanium Dioxide | Not Listed |

**CERCLA:**

| | | | |
|---|---|---|---|
| 100-42-5 | Styrene | Listed | 1000 lbs. |

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

**Massachusetts Right to Know:**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Non asbestos) | Listed |
| 100-42-5 | Styrene | Listed |
| 65997-17-3 | Glass enamel | Listed |
| 13463-67-7 | Titanium Dioxide | Listed |

**New Jersey Right to Know:**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Non asbestos) | Listed |
| 100-42-5 | Styrene | Listed |
| 65997-17-3 | Glass enamel | Listed |
| 13463-67-7 | Titanium Dioxide | Listed |

**New York Right to Know:**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Non asbestos) | Not Listed |
| 100-42-5 | Styrene | Listed |
| 65997-17-3 | Glass enamel | Listed |
| 13463-67-7 | Titanium Dioxide | Listed |

**Pennsylvania Right to Know:**

| | | |
|---|---|---|
| 14807-96-6 | Talc (Non asbestos) | Listed |
| 100-42-5 | Styrene | Listed |
| 65997-17-3 | Glass enamel | Listed |
| 13463-67-7 | Titanium Dioxide | Listed |

**California Proposition 65:**

⚠**WARNING**: This product can expose you to chemicals including Styrene and Titanium Dioxide which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-2-0

**HMIS:** 3-2-0

**Initial preparation date:** 04.04.2019

**End of Safety Data Sheet**