

Safety Data Sheet

Seamless™ Solid Surface Adhesive, Part B

SDS No. 20023.00

Date of Preparation: 7/20/15

Revision: 11/2/15

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Seamless™ Solid Surface Adhesive, Part B

General Use: Bonding agent for acrylic, polyester, and quartz composites, natural stone, FRP/GRP, and steel reinforcing rods.

Manufacturer: Marshall-Gruber Company, LLC

Emergency Phone: (800)424-9300

A subsidiary of The R. J. Marshall Company

Date Revised: 11/2/15

220 Airport Drive

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Section 2 – Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200: Hazardous.

GHS Classifications:

Organic Peroxides: Type D

Eye Irritation: Category 2A

Skin irritation: Category 2

Skin Sensitization: Category 1

STOT SE Category-Lungs: Category 3

Signal word: Danger



Symbol:

Hazard statements:

H242: Heating may cause a fire.

H315: Causes skin irritation

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

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.

P261: Avoid breathing mist/vapors/spray.

P264: Wash skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P358: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: Specific treatment (see supplemental first aid instruction on this label).

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362: Take off contaminated clothing.

P403+P233: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P410: Protect from sunlight.

P411+P235: Store at temperatures not exceeding 86°F (30°C). Keep cool.

P420: Store separately.

P501: Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified: None

Section 3 – Composition/Information on Ingredients

Chemical Name	CAS#	EINECS#	Weight %
Dibenzoyl Peroxide	94-36-0	202-327-6	3-7%
Non-hazardous ingredients and ingredients below disclosure requirements	-----	-----	60-100%

Section 4 - First Aid Measures

Description of necessary measures, subdivided according to the different routes of exposure:

General advice: Take off contaminated clothing and shoes immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Inhalation: Remove to fresh air. Get medical attention if needed.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Get medical attention immediately.

Skin Contact: Before washing use a dry brush to remove dust from skin. Remove and isolate contaminated clothing and shoes. Immediately flush skin with plenty of water. Get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms/effects, acute and delayed:
Effects of Short-Term (Acute) Exposure:

Inhalation: Inhalation of dusts may cause respiratory irritation. Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Skin Contact: May cause sensitization by skin contact. May cause skin irritation. Avoid contact with the skin.

Eye Contact: Contact with eyes may cause irritation. Avoid contact with eyes.

Ingestion: Components of the product may be absorbed into the body by ingestion. Irritating. May cause nausea, stomach pain and vomiting. Do not ingest.

Effects of Long-Term (Chronic) Exposure: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

Indication of immediate medical attention and special treatment needed: None.

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, alcohol resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media: None known.

Unusual Fire or Explosion Hazards: Contact with combustible material may cause fire. May explode from heat or contamination. These substances will accelerate burning when involved in fire. Some will react explosively with hydrocarbons (fuels). Some may decompose explosively when heated or involved in a fire. Runoff may create fire or explosion hazard.

Sensitivity to Impact: Not available

Sensitivity to Static Discharge: Not available

Fire-Fighting Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. If tank, rail car, or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. In the event of fire, cool tanks with water spray. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.

NFPA Hazard Index: Health: 3

Flammability: 1

Reactivity: 1

Special Hazard: OX

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Respiratory Protection: Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Where risk assessment shows air-purifying respirators are appropriate, use a full face particulate respirator type N100 (US) or Type PE (EN143) respirator cartridges as a backup to engineering controls.

Skin protection: Handle with gloves. Gloves must be inspected before use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good industrial practices. Wash and dry hands after use. Wear appropriate chemical resistant clothing.

Eye and Face Protection: Face shield and safety glasses.

Footwear: No specific recommendation.

Other: Emergency eye wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

Environmental precautions: Prevent further leakage or spillage, if safe to do so. Prevent spilled material from entering sewers, storm drains, or other unauthorized treatment drainage systems, and natural waterways. Notify fire authorities and appropriate federal, state, and local agencies.

Methods and materials for containment and cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewer, basements, or confined areas.

Remedial measures: Wash spill area with strong detergent and water solution, rinse with minimal water, if possible.

Small spills: Clean surface thoroughly to remove residual contamination. Clean up in accordance with all applicable regulations.

Large spills: Do not get water inside container. Use clean non-sparking tools to collect absorbed material. Avoid the generation of dusts during clean-up. Following product recovery, flush area with water.

Section 7 - Handling and Storage

Precautions for safe handling:

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 when handling. Minimize dust generation and accumulation. Do not breathe dust. Avoid contact with skin.

Avoid contact with eyes. Do not get this material on clothing. Do not use in areas without adequate ventilation. When using do not eat or drink. Wash thoroughly after handling. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities: Keep away from heat and sources of ignition. Store in a closed container away from incompatible materials (see Section 10 of the SDS). Use care in handling/storage.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Protective Clothing/Equipment:

Skin protection: Handle with gloves. Gloves must be inspected before use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good industrial practices. Wash and dry hands after use. Wear appropriate chemical resistant clothing.

Eye protection: Face shield and safety glasses.

Footwear: No specific recommendation.

Respiratory protection: Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Where risk assessment shows air-purifying respirators are appropriate, use a full face particulate respirator type N100 (US) or Type P3 (EN 143) respirator cartridges as a backup to engineering controls.

Other: Emergency eye wash fountains should be available in vicinity of use. At minimum, an eye lavage kit should be kept on hand.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Dibenzoyl Peroxide	5 mg/m ³	None established	5 mg/m ³	None established

Section 9 - Physical and Chemical Properties

Appearance: paste

Odor: faint odor

Odor Threshold: not available

pH: not applicable

Freezing/Melting Point: 32°F (0°C)

Boiling Point: not available

Flash Point: not available

Flash Point Method: not available

Evaporation Rate: not available

Flammability: Flammable

Upper/lower flammability or explosive limits: not available

Vapor Pressure: not available

Vapor Density (Air=1): not available

Relative Density: 1.11 @ 77°F (25°C) (water =1)

Water Solubility: slightly soluble

Other Solubilities: not available

Partition coefficient: n-octanol/water; 3.46 (dibenzoyl peroxide)

Auto-ignition Temperature: not established

Decomposition Temperature: not available

Viscosity: not applicable

Section 10 - Stability and Reactivity

Reactivity: No data.

Chemical Stability: Decomposes on heating. Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available.

Conditions to Avoid: Contact with incompatible materials. Exposure to heat, sparks, or flames.

Incompatible materials: Strong acids. Strong bases, oxidizing agents, amines, alcohols, polymerizing initiators or reducing agents.

Hazardous Decomposition Products: Oxides of carbon.

Section 11- Toxicological Information

Information on the likely routes of exposure: Skin, Eye, Inhalation, and Ingestion.

Symptoms related to the physical, chemical, and toxicological characteristics:

Effects of Short-Term (Acute) Exposure:

Inhalation: Inhalation of dusts may cause respiratory irritation. Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Skin Contact: May cause sensitization by skin contact. May cause skin irritation. Avoid contact with the skin.

Eye Contact: Contact with eyes may cause irritation. Avoid contact with eyes.

Ingestion: Components of the product may be absorbed into the body by ingestion. Irritating. May cause nausea, stomach pain and vomiting. Do not ingest.

Effects of Long-Term (Chronic) Exposure: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Medical Conditions Aggravated by Exposure: Persons susceptible to skin problems may find that the use of this product will cause increased symptoms of existing skin problems.

Delayed and immediate effects and also chronic effects from short and long-term exposure: See above.

Numerical measures of toxicity:

Acute Toxicity:

LD₅₀: oral, not determined

LC₅₀: inhalation, not determined

LD₅₀: dermal, not determined

Skin corrosion/irritation: Components of this mixture may cause skin irritation. H315, Category 2, Warning.

Serious eye damage/eye irritation: Components of this mixture may cause eye irritation, H319, Category 2A, Warning.

Respiratory or skin sensitization: Components of this mixture may cause skin sensitization, H317, Category 1, Warning.

Germ Cell Mutagenicity: Not classifiable.

Carcinogenicity: Neither this product nor any of its components are considered carcinogenic by OSHA, IARC, NTP, or ACGIH.

Reproductive toxicity: Not classifiable.

Specific Target Organ Toxicity-Single Exposure: Components of this mixture may cause respiratory irritation, H335, Category 1, Warning.

Specific Target Organ Toxicity-Repeated Exposure: Not classifiable.

Aspiration Hazard: Not classifiable.

Aquatic Toxicity: Not classifiable.

Additional Information: No information available.

Section 12 - Ecological Information

Eco-toxicity:

Toxicity to fish: LC₅₀ Oryzias latipes (Japanese rice fish), 0.24 mg/l (96 hr)

Toxicity to daphnia: EC₅₀ Daphia Magna (Water flea), 0.07 mg/l (48 hr)

Toxicity to algae: EC₅₀ Selenastrum capricornutum (green algae), 0.07 mg/l (72 hr)

Persistence and degradability: no data available.

Bio-accumulative potential: information not available

Mobility in soil: information not available

Results of PBT and vPvB assessment: Not conducted

Other adverse effects: None known.

Section 13 - Disposal Considerations

Disposal: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Whatever cannot be save for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

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 warning even after container is emptied.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

UN Number: not regulated
UN proper shipping name: not regulated
Transport hazard classes: not regulated
Packaging group: not regulated
Environmental hazards: not regulated
Special precautions for user: None

Transport of Dangerous Goods (TDG and CLR): not regulated
International Air Transport Association (IATA): not regulated
International Maritime Organization (IMO): not regulated

Note: This mixture contains dibenzoyl peroxide, CAS 94-36-0. It is exempt from being regulated for transport because it contains less than 35% peroxide and has greater than 65% inert material in the mixture.

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
 RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified
 CERCLA Hazardous Substance (40 CFR 302.4) not listed
 SARA Toxic Chemical Section 313(40 CFR 372.65): Dibenzoyl Peroxide
 SARA EHS Section 302(Extremely Hazardous Substance) (40 CFR 355): Not listed
 SARA Hazardous Chemical Section 311/312: Acute Health: Yes, Chronic Health: Yes, Fire: Yes

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Meets criteria for a hazardous substance
 OSHA Specifically Regulated Substance (29CFR 1910.????)

California Proposition 65: None listed

Inventory Lists: This product or its components are listed on the following inventory lists:

TSCA	Canada DSL
Listed	Listed

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated to SDS format

Product Grades Available from the R. J. Marshall Company (this list may be incomplete):

SS300	SS400
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