

Material Safety Data Sheet

StoneDefender

Solvent Base 15oz. Aerosol Grout Sealer

Section 1: Chemical Product & Company Identification

Product Name: StoneDefender – Grout & Stone Sealer ES01
Generic Identification: Solvent Base Grout Sealer (Aerosol)

Company Name: Chemical Product Specialists
Address: 14175 W. Indian School Rd. B4-512, Goodyear, AZ 85395
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Date Prepared: January 1, 2008

Prepared By: Chemical Product Specialists

Section 2: Hazardous Components

Chemical Name	CAS #	Weight %	OSHA PEL TWA	ACGIH PEL TWA	Notes
Petroleum Distillate, Odorless Mineral Spirits	64742-48-9	17%	200 ppm	200 ppm	
n-Butyl Acetate	123-86-4	3 %	150 ppm	150 ppm	
Acetone	67-64-1	47 %	750 ppm	750 ppm	
Benzene, 1-Chloro-4 (Trifluoromethyl)	98-56-6	6%	Not Established	Not Established	
Butane	106-97-8	18%	800 ppm	800 ppm	
Propane	74-98-6	7%	1000 ppm	Asphyxiant	
Proprietary Fluorinated Polymer	Trade Secret	3-10%	Not Established	Not Established	This substrate is on the TSCA inventory list.

Section 3: Physical & Chemical Properties

Boiling Range: -44°F - 315°F **Vapor Pressure:** **Vapor Density:** Unknown
Specific Gravity: 0.72 **Weight per Gallon:** 6.58 #/gal w/out propellant
Freezing Point: n/a **Evaporation Rate (Butyl Acetate = 1):** <1

Percent Volatile: >98 %
VOCs: 3.10 pounds per gallon or 371 grams per liter
Appearance and Odor: Clear, colorless aerosol liquid with a mild citrus odor
Solubility in Water: Insoluble

Section 4: Health Hazards Identification

Eyes: Non-irritating to practically non-irritating
Skin: Slight to moderate irritation, prolonged or repeated exposure can result in defatting and drying of the skin which may result in skin irritation and dermatitis.
Ingestion: May result in vomiting.
Inhalation: High vapor concentrations may result in Central Nervous System (CNS) depression. Aspiration into lungs must be avoided as even small quantities may result in aspiration pneumonia.
Carcinogenicity: NTP? No **IARC Monographs?** No **OSHA Regulated?** No

Section 5: First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open.
Skin: Remove clothing and shoes and wipe excess from skin. Flush skin with water. Follow by washing skin with soap and water. Do not reuse clothes until cleaned.
Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.
Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by a qualified person.
GET MEDICAL ATTENTION AS NECESSARY.

Section 6: Firefighting Measures

Flash Point (Method): -156°F estimated
Autoignition Temperature: Not established

Explosive Limits: Lower: 0.7% Upper: 15%

Extinguishing Media: Alcohol foam, CO₂, Dry Chemical, Water Fog

Special Firefighting Procedures: Water Spray may be ineffective, but water spray must be used to cool containers exposed to heat or fire to prevent pressure build-up.

Unusual Fire & Explosion Hazard: Closed containers may explode due to the pressure build-up from extreme heat or fire. Aerosol spray is extremely flammable.

Combustion Products: Carbon dioxide, carbon monoxide, trace amounts of hydrogen fluoride.

Firefighting Equipment: Self-contained breathing apparatus should be used if product is involved in fire.

NFPA Rating (based on Standard 704): Health - 1 Flammability - 3 Reactivity - 0

4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

Section 7: Accidental Release Measures

Small Spill: Remove all sources of ignition – flames, sparks, static electricity and electrical. Ventilate area.

Large Spill: Remove all sources of ignition – flames, sparks, static electricity and electrical. Ventilate area. Avoid material running into sewers or streams by diking, and soak up with inert absorbent using non-sparking tools.

Section 8: Stability & Reactivity

Stable XX **Unstable** _____

Incompatibility: Avoid contact with strong oxidizers.

Conditions to Avoid: Heat, sparks and flame.

Hazardous Decomposition: Will not occur

Hazardous Polymerization: Will not occur

Section 9: Handling & Storage

Storage Requirements: Do not store above 120°F/49°C. Do not store or use near heat, sparks or flame.

KEEP OUT OF REACH OF CHILDREN.

Section 10: Exposure Controls / Personal Protection

Engineering Controls: Recommend an approved mechanical particulate filter to remove any airborne overspray. In restricted areas with poor ventilation, use a NIOSH approved Organic Cartridge Respirator. For concentrations above the PEL, use a positive air supplied respirator.

Personal Protection:

- Eyes** – Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn.
- Skin** – Test data indicates the best protection is provided by neoprene, nitrile and natural rubber gloves.
- Ventilation** – ALL APPLICATION AREAS SHOULD BE ADEQUATELY VENTILATED IN ORDER TO KEEP THE ITEMS IN SECTION 2 BELOW THEIR EXPOSURE LIMITS.
- Respiration** – In restricted areas with poor ventilation, use a NIOSH approved Organic Cartridge Respirator.

Section 11: Toxicological Information

Laboratory studies have shown that petroleum distillates may cause kidney, liver, or lung damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section 12: Ecological Information

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

Section 13: Disposal Considerations

Dispose of unused or empty container in accordance with local, state and federal regulations. Empty container may still contain product residues.

Section 14: Transportation Information

Proper Shipping Name: Flammable Liquids, N.O.S.

D.O.T. Class: Flammable Liquid

Hazard Class: 3

UN Number: UN 1993

Packaging Group: II

Guide Number: 128

Section 15: Regulatory Information

OSHA Compliance: This MSDS prepared in accordance with 29CFR 1910.1200 and ANSI Z400.1 standard.

TSCA: Although components of this product find listing under the Toxic Substances Act (TSCA), this blended product requires no import or export declaration.

SARA Title III: This material is classified as an immediate (acute) health hazard, delayed (chronic) health hazard and fire hazard.

CERCLA State and Local Planning (Reportable Quantities): Not required.

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