

SECTION 1: Identification

1.1. Product identifier

Product name : SurFix® 928 RM
Product code : Not available.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cement-based repair material

1.3. Details of the supplier of the safety data sheet

Penetron Specialty Products Inc.
45 Research Way, Suite 203
East Setauket, New York 11733 - USA
T +1 (631) 941-9700
info@penetransp.com - penetransp.com

1.4. Emergency telephone number

Emergency number : (Chemtrec): US and Canada: 1-800-424-9300; International +1 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irritation 2
Serious Eye Damage 2A
Skin Sensitization 1
Carcinogenicity 1A
Specific Target Organ Toxicity - Repeated Exposure 1

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS05

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US) : If exposed or concerned: Get medical advice/ attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

None known.

2.4. Unknown acute toxicity GHS-US)

40% of the mixture consists of ingredient(s) of unknown toxicity.

2.5. Other information

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

3.2. Mixture

Name	Product identifier	%
Quartz	(CAS No) 14808-60-7	40 – 70
Cement, portland, chemicals	(CAS No) 65997-15-1	10 – 30
Calcium carbonate	(CAS No) 1317-65-3	7 – 13

*The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First aid measures after inhalation : If breathing is difficult, remove victim to fresh air. Get medical advice/attention if symptoms occur.
- First aid measures after skin contact : In case of contact, wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
- First aid measures after eye contact : In case of contact, rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
- First aid measures after ingestion : If swallowed, rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed

- Most important symptoms : Burning sensation. Itching. Rashes. Hives.
- Symptoms/injuries after inhalation : May cause respiratory tract irritation. May cause burns in the presence of moisture.
- Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause burns in the presence of moisture.
- Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting. May cause burns in the presence of moisture.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible). Note to physician: May cause sensitization in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and treat for surrounding material.
- Unsuitable extinguishing media : Caution: Use of water spray when fighting fire may be inefficient.

5.2. Special hazards arising from the substance or mixture

- Specific hazards arising from the chemical : Product is or contains a sensitizer. May cause sensitization by skin contact.
- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.
- Other information : Uniform Fire Code Sensitizer: Solid

5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Methods and material for containment and cleaning up

- For containment : Prevent further leakage or spillage if safe to do so. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Pick up and transfer to properly labeled containers.

6.3. Reference to other sections

See section 7 and 8 for further information on protective measures and protective clothing and equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Advice on safe handling : Avoid contact with skin and eyes. Do not breathe dust. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Hygiene measures : Wash hands before eating, drinking, or smoking. Launder contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Incompatible products : Strong acids. Strong oxidizing agents. Strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Guidelines: : The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ (respirable fraction)
OSHA	OSHA PEL (TWA) (mg/m ³)	0.1 mg/m ³ (vacated)
NIOSH IDLH	NIOSH IDLH (TWA) (mg/m ³)	IDLH: 50 mg/m ³ (respirable dust) TWA: 0.05 mg/m ³ (respirable dust)
Cement, portland, chemicals (65997-15-1)		
ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica (respirable particulate matter)
OSHA	OSHA PEL (TWA) (mg/m ³)	TWA: 15 mg/m ³ (total dust) TWA: 5 mg/m ³ (respirable fraction) (vacated) TWA: 10 mg/m ³ (total dust) (vacated) TWA: 5 mg/m ³ (respirable fraction) TWA: 50 mppcf <1% crystalline silica
NIOSH IDLH	NIOSH IDLH (TWA) (mg/m ³)	IDLH: 5000 mg/m ³ TWA: 10 mg/m ³ (total dust) TWA: 5 mg/m ³ (respirable dust)
Calcium carbonate (1317-65-3)		
ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³
NIOSH IDLH	NIOSH IDLH (TWA) (mg/m ³)	TWA: 5 mg/m ³ (respirable dust) TWA: 10 mg/m ³ (total dust)

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

8.2. Other Exposure Guidelines : Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

8.3. Exposure controls

Appropriate engineering controls : Showers, eyewash stations and ventilation systems.
Hand protection : Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves.
Eye protection : Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Environmental exposure controls : Maintain levels below Community environmental protection thresholds.
Other information : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Powder
Color : Gray
Odor : Characteristic
Odor threshold : No data available

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: No data available
Solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Symptoms	: Erythema (skin redness). May cause redness and tearing of the eyes. Itching. Rashes. Hives.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause sensitization in susceptible persons. May cause sensitization by skin contact.
Germ cell mutagenicity	: No information available.
Carcinogenicity	: May cause cancer.

Quartz (14808-60-7)	
ACGIH	A2 - Suspected Human Carcinogen
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	Known Human Carcinogens
OSHA	X- Present

Reproductive toxicity : No information available.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Specific target organ toxicity (single exposure)	: No information available.
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure.
Chronic toxicity	: Contains a known or suspected carcinogen. Avoid repeated exposure. Prolonged exposure may cause chronic effects.
Target organ effects	: Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Lungs. Immune system. Kidney.
Aspiration hazard	: No information available.
Symptoms/injuries after inhalation	: May cause irritation of respiratory tract.
Symptoms/injuries after skin contact	: Causes skin irritation. (based on components). Prolonged contact may cause redness and irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Symptoms/injuries after ingestion	: Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging : Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

14.1. Department of Transportation (DOT)

In accordance with DOT. Not regulated for transport.

14.2. Additional information

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	Chronic health hazard	Fire hazard	Sudden release of pressure hazard	Reactive hazard
Yes	Yes	No	No	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

15.2. US State regulations

Name	California Proposition 65
Quartz (14808-60-7)	Carcinogen

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

15.3. Right-To-Know regulations

Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Quartz (14808-60-7)	X	X	X		X
Cement, portland, chemicals (65997-15-1)	X	X	X		
Calcium carbonate (1317-65-3)	X	X	X		

SECTION 16: Other information

Date of issue : 11/29/2016

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Other information : None.

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