

SECTION 1: Identification

1.1. Product identifier

Product name : Waterplug
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 underwater repair and anchoring compound

1.3. Details of the supplier of the safety data sheet

Penetron International, Ltd.
45 Research Way, Suite 203
East Setauket, New York 11733 – USA
T +1 (631) 941-9700
info@penetron.com - penetron.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

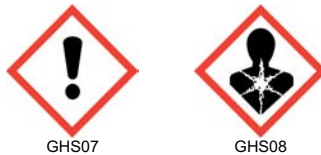
GHS-US classification

Skin Corrosion/ Irritation 2
Serious Eye Damage/Eye Irritation 2A
Skin Sensitization 1
Carcinogenicity 1A
Specific Target Organ Toxicity - Single Exposure 3
Specific Target Organ Toxicity - Repeated Exposure 1

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Hazard statements (GHS-US) :

Precautionary statements (GHS-US) :

: Danger
: Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause cancer. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.
: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. IF exposed or concerned: Get medical advice/attention. Specific treatment (see supplemental first-aid instructions on this label). 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 before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF inhaled: Remove person to fresh air and keep comfortable for breathing. Store locked up. Dispose of contents/container to an approved waste disposal plant.

2.3. Unknown toxicity (GHS-US)

73% of the mixture consists of ingredient(s) of unknown toxicity.

2.4. 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 (CFR 29 1910.1200) HazCom 2012.

3.2. Mixture

Name	Product identifier	%
Quartz	(CAS No) 14808-60-7	30 - 40
Cement, portland, chemicals	(CAS No) 65997-15-1	20 - 30
Limestone	(CAS No) 1317-65-3	10 - 20
Calcium hydroxide	(CAS No) 1305-62-0	0 - 10

* 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

- General instructions : Show this safety data sheet to the doctor in attendance. If exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove to fresh air. If exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.
- First-aid measures after skin contact : May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.
- First-aid measures after eye 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. Get medical attention if irritation develops and persists. Do not rub affected area.
- First-aid measures after ingestion : Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
- Self-protection of the first-aider : Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

- Symptoms : Itching. Rashes. Hives. Burning sensation.

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

- Note to physicians : Remove to fresh air. If exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 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 : Oxides of carbon

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). Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- Other information : Refer to protective measures listed in Sections 7 and 8.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.

6.2. Methods and material for containment and cleaning up

- Methods for containment : Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up : Pick up and transfer to properly labelled containers.
- Prevention of secondary hazards : Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists

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according to the Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

Quartz (14808-60-7)		
ACGIH	ACGIH TWA (mg/m ³)	TWA: 0.025 mg/m ³ (respirable fraction)
OSHA	OSHA PEL (TWA) (mg/m ³)	TWA: 0.1 mg/m ³ (vacated)
NIOSH	NIOSH IDLH (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)	TWA: 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	NIOSH IDLH (mg/m ³)	IDLH: 5000 mg/m ³ TWA: 10 mg/m ³ (total dust) - TWA: 5 mg/m ³ (respirable dust)

Limestone (1317-65-3)		
ACGIH	ACGIH TWA (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	NIOSH IDLH (mg/m ³)	TWA: 5 mg/m ³ (respirable dust) - TWA: 10 mg/m ³ (total dust)

Calcium hydroxide (1305-62-0)		
ACGIH	ACGIH TWA (mg/m ³)	TWA: 5 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	TWA: 15 mg/m ³ (total dust) - TWA: 5 mg/m ³ (respirable fraction) (vacated) TWA: 5 mg/m ³ - not in effect as a result of reconsideration
NIOSH	NIOSH IDLH (mg/m ³)	TWA: 5 mg/m ³

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

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

8.2. Exposure controls

Appropriate engineering controls : Shower. Eyewash stations. Ventilation systems.

Eye/face protection : Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection : Wear suitable gloves. Impervious gloves.

Skin and body protection : Wear suitable protective clothing. Long sleeved 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.

Other information : Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Powder(s); solid

Appearance : Gray

Color : No data available

Odor : Characteristic

Odor threshold : No data available

pH : No data available

Melting point : No data available

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according to the Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012.

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	: 2.83
Relative vapor density at 20°C	: 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 information 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. Hazardous polymerization

No information available.

10.5. Conditions to avoid

None known based on information supplied.

10.6. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.7. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on likely routes of exposure

Inhalation	: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	: Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
Skin contact	: May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Ingestion	: Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

11.2. Information on toxicological effects

Symptoms : Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

11.3. Numerical measure of toxicity

Unknown toxicity : 73 % of the mixture consists of ingredient(s) of unknown toxicity.

Name	Oral LD50 (Rat)	Dermal LD50 (Rabbit)	Inhalation LC50 (Rat)
Supplier trade secret (CTS-16-935)	= 7340 mg/kg	-	-

11.4. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	: Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	: Classification based on data available for ingredients. Irritating to eyes.

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according to the Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012.

Respiratory or skin sensitization : May cause sensitization by skin contact.
Germ cell mutagenicity : No information available.
Carcinogenicity : Classification based on data available for ingredients. Contains a known or suspected carcinogen.

Quartz (14808-60-7)	
ACGIH	A2 - Suspected human carcinogen
IARC	Group 1 - Carcinogenic to humans
National Toxicology Program (NTP)	Known - known carcinogens
OSHA	X- Present
Reproductive toxicity	: No information available.
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Name	Toxicity to fish
Supplier trade secret (CTS-16-935)	96h LC50: = 160 mg/L (Gambusia affinis)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative

No information available.

12.4. Mobility

No information available.

12.5. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products : Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging : Do not reuse empty containers.

This product contains one or more substances that are listed with the state of California as a hazardous waste.

Name	California Hazardous Waste
Calcium hydroxide (1305-62-0)	Corrosive

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.

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 (CWA) (40 CFR 122.21 and 40 CFR 122.42).

CERCLA: This material, as supplied, does not contain any substances regulated as a hazardous substance 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 the material.

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according to the Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012.

15.2. US State regulations

This product contains the following Proposition 65 chemicals.

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

15.3. US State Right-To-Know regulations

This product may contain substances regulated by state right-to-know regulations.

Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Quartz (14808-6-7)	X	X	X		X
Cement, portland, chemicals (65997-15-1)	X	X	X		
Limestone (1317-65-3)	X	X	X		
Calcium hydroxide (1305-62-0)	X	X	X		

SECTION 16: Other information

Date of issue : 06/17/2007

Revision date : 03/09/2017

Other information : None

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