

### SECTION 1: Identification

#### 1.1. Product identifier

Product name : Penetron® Injection Resin - Part A

Product code : Not available.

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

Use of the substance/mixture : Concrete protection and permeability reduction

#### 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

Reproductive toxicity 1A

#### 2.2. Label elements (GHS-US)

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : May damage fertility or the unborn child.

#### 2.3. Precautionary statements (GHS-US)

Prevention : 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.  
Response : If exposed or concerned: Get medical advice/attention.  
Storage : Store locked up. Store in a well-ventilated place. Keep container tightly closed.  
Disposal : Dispose of contents/container to an approved waste disposal plant.

#### 2.4. Unknown acute toxicity (GHS-US)

100% of the mixture consists of ingredient(s) of unknown toxicity.

#### 2.5. Other information

May be harmful if swallowed. Harmful to aquatic life with long lasting effects.

### SECTION 3: Composition/information on ingredients

#### 3.1. Mixture

Chemical name	Product identifier	%
Dimethyl succinate	(CAS No) 106-65-0	20-40
Dimethyl glutarate	(CAS No) 1119-40-0	10-19
Dibutyltin dilaurate	(CAS No) 77-58-7	0-1

\* 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.

First-aid measures after skin contact : In case of contact, wash with soap and water.

First-aid measures after eye contact : In case of contact, rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If symptoms persist, call a physician.

# Penetron® Injection Resin (SR) - Part A

## Safety Data Sheet

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

First-aid measures after ingestion : If ingested, clean mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person.

General advice : Show this safety data sheet to the doctor in attendance.

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

No information available.

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

Notes to physician : Treat symptomatically.

## 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

No information available.

### 5.3. Hazardous combustion products

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

### 5.4. Advice for firefighters

Protection during firefighting : Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

### 6.2. Environmental precautions

Refer to protective measures listed in sections 7 and 8.

### 6.3. 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 : Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage : Store locked up. Keep container tightly closed. Keep out of the reach of children.

Incompatible products : None known based on information supplied.

## 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 (SDS) is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here:

Dibutyltin dilaurate (CAS No) 77-58-7	
ACGIH TLV	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*
OSHA PEL	TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*
NIOSH IDLH	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn

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).

# Penetron® Injection Resin (SR) - Part A

## Safety Data Sheet

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

### 8.2. Appropriate engineering controls

Engineering measures : Showers, eyewash stations, ventilation systems.

### 8.3. Individual protection measures, such as personal protective equipment

Eye/face protection : No special protective equipment required.

Skin and body protection : Wear suitable gloves. Wear suitable protective equipment.

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 : Handle in accordance with good industrial hygiene and safety practice. 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

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### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear
Color	: No data available
Odor	: Characteristic
Odor threshold	: No data available
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
Vapor density	: No data available
Relative Density	: 1.03
Relative vapor density at 20 °C	: No data available
Solubility	: No data available
Partition coefficient: n-octanol/water	: N/A
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

## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Hazardous polymerization

Hazardous polymerization does not occur.

### 10.5. Conditions to avoid

None known based on information supplied.

### 10.6. Incompatible materials

None known based on information supplied.

### 10.7. Hazardous decomposition product

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

# Penetron® Injection Resin (SR) - Part A

## Safety Data Sheet

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

### SECTION 11: Toxicological information

#### 11.1. Information on likely routes of exposure

Specific test data for the substance or mixture is not available.

#### 11.2. Information on components

Chemical name	Oral LD50 (Rat)	Dermal LD50 (Rabbit)	Inhalation LC50 (Rat)
Dimethyl succinate (106-65-0)	> 5 g/kg	> 5 g/kg	-
Dimethyl glutarate (1119-40-0)	> 5000 mg/kg	-	> 5.6 mg/L 4 h
Dibutyltin dilaurate (77-58-7)	= 45 mg/kg = 175 mg/kg	= 630 mg/kg	-

#### 11.3. Information on toxicological effects

Symptoms : No information available.

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

Skin corrosion/irritation : No information available.

Serious eye damage/irritation : No information available.

Respiratory or skin sensitization : No information available.

Germ cell mutagenicity : No information available.

Carcinogenicity : No information available.

Reproductive toxicity : Classification based on data available for ingredients. Contains a known or suspected reproductive toxin.

Specific target organ toxicity (single exposure) : No information available.

Specific target organ toxicity (repeated exposure) : No information available.

Aspiration hazard : No information available.

#### Numerical measures of toxicity (based on section 3.1)

ATEmix (oral)	2,325.00 mg/kg
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### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical name	Toxicity to fish	Toxicity to microorganisms	Daphnia magna (water flea)
Dimethyl succinate (106-65-0)	96h LC50: 50 - 100 mg/L (Brachydanio rerio)	-	-
Dimethyl glutarate (1119-40-0)	96h LC50: 19.6 - 26.2 mg/L (Pimephales promelas)	-	48h EC50: 122.1 - 163.5 mg/L
Dibutyltin dilaurate (77-58-7)	48h LC50: = 2 mg/L (Oryzias Latipes)	EC50 = 0.576 mg/L 30 min	-

#### 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

Chemical Name	Log pow
Dimethyl succinate (106-65-0)	0.19

#### 12.4. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Disposal methods : Dispose of in accordance with local, state, regional and federal regulations.

Contaminated packaging : Do not reuse empty containers.

Chemical Name	California hazardous waste
Dibutyltin dilaurate (77-58-7)	Toxic

### SECTION 14: Transport information

#### 14.1 DOT

In accordance with DOT  
Not regulated for transport

#### 14.2. IATA

UN Number : UN3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) : 9

# Penetron® Injection Resin (SR) - Part A

## Safety Data Sheet

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

Hazard Labels :

Packing Group : III

Description : UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

### 14.3. ADR

UN Number : UN3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) : 9

Hazard Labels :

Packing Group : III

Description : UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III (DIBUTYLTIN DILAUATE)

### 14.4. IMDG

UN Number : UN3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) : 9

Hazard Labels :

Packing Group : III

Description : UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DIBUTYLTIN DILAUATE), 9, III, MARINE POLLUTANT

### 14.5. Other information

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
No	Yes	No	No	No

CWA : 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 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

California Proposition 65 : This product does not contain any Proposition 65 chemicals known to the State of California to cause cancer.

US State Right-to-Know : This product does not contain any substances above threshold limits that are regulated by state right-to-know.

## SECTION 16: Other information

Date of issue : 10/28/2015

Revision date : 06/20/2018

Other information : None.

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