



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 1/10

Version: 2.0

(US/English)

### 1. Identification

**Product identifier used on the label:** Sunny Dry Leak Stop Hydraulic Cement  
M504 - 2.5LB pail; M512 – 10lb pail

**Recommended use of the chemical and restriction on use**

Recommended use\*: Repair of holes and cracks in concrete/mortar joints  
For homeowners, contractors or professionals

\* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet:**

Wall Firma Inc.  
733 E. Main St.  
Monongahela, PA 15063  
[www.wallfirma.com](http://www.wallfirma.com)

**Emergency telephone number:** **Chemtrec (North America):** 1-800-424-9300  
Available Mon-Fri 08:00AM-05:00PM ET USA

**TECHNICAL SUPPORT NO.:** Telephone: +1 724-258-7175

**Other means of identification:** Chemical family: No data available

### 2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

**Hazard Classification**

Acute Toxicity	4 (oral)
Skin irritation	2
Serious Eye Damage	1
Skin Sensitization	1
Carcinogenicity	1A
Specific target organ toxicity	3 Single exposure
Specific target organ toxicity	1 Repeated exposure

#### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H350	May cause cancer.



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 2/10

Version: 2.0

(US/English)

H372 Causes damage to organs (Lung) through prolonged or repeated exposure.

### Precautionary Statements (Prevention):

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

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

P260 Do not breathe dust/gas/mist/vapours.

P202 Do not handle until all safety precautions have been read and understood.

P270 Do not eat, drink or smoke when using this product.

P264 Wash with plenty of water and soap thoroughly after handling.

### Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303 + P361 IF ON SKIN (on hair): Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash before reuse.

### Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

### Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

### Emergency overview

#### WARNING:

MAY BE HARMFUL IF INHALED.

RISK OF SERIOUS DAMAGE TO EYES.

Can cause moderate irritation due to abrasive action.

In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns.

CONTAINS MATERIAL WHICH CAN CAUSE

CANCER. Keep container tightly closed.

Avoid inhalation of dusts. Avoid ingestion.

Avoid contact with the skin, eyes and clothing. Wash thoroughly after handling.



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 3/10

Version: 2.0

(US/English)

### 3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
65997-15-1	>= 25.0 - < 50.0 %	Cement, Portland, chemicals
14808-60-7	>= 25.0 - < 50.0 %	Crystalline silica
1305-62-0	>= 3.0 - < 10.0 %	Calcium hydroxide
65997-16-2	>= 15.0 - < 40.0 %	Cement, Alumina
497-19-8	<= .01 - < 1.0 %	Sodium Carbonate

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

##### If inhaled:

After inhalation of dust. Keep patient calm, remove to fresh air. If difficulties occur: Obtain medical attention.

##### If on skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

##### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

##### If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

#### Most important symptoms and effects, both acute and

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons: water jet

Additional information:



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 4/10

Version: 2.0

(US/English)

Product itself is non-combustible. Only the packaging materials can catch fire. The extinguishing agents normally used are sufficient.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, harmful vapors

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Product is not combustible or explosive.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Wear self-contained breathing apparatus and chemical-protective clothing.

### Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal.

For residues: Rinse with plenty of water. Avoid raising dust.

## 7. Handling and Storage

### Precautions for safe handling

Avoid dust formation. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Segregate from metals. Segregate from acids. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

Suitable materials for containers: tin (tinplate)

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 5/10

Version: 2.0

(US/English)

### 8. Exposure Controls/Personal Protection

#### Control Parameters:

##### Exposure Guidelines:

Ingredient	OSHA-PEL	ACGIH-TLV
Portland Cement	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	1 mg/m <sup>3</sup> (no asbestos and <1% crystalline silica, respirable fraction)
Ferric Oxide	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> (iron oxide fume, dust as Fe)
Silica, Crystalline, Quartz	((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (resp)) ((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (total)) ((250)/(%SiO <sub>2</sub> +5) mppcf TWA (resp))	.025 mg/m <sup>3</sup>
Calcium Oxide	5 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Gypsum	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	10 mg/m <sup>3</sup>
Calcium Carbonate	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	10 mg/m <sup>3</sup>
Magnesium Oxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Ashes (residues)	N/A	N/A
Cement Alumina	5 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Calcium Hydroxide	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Sodium Carbonate	N/A	N/A

#### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

#### Personal protective equipment

##### Respiratory protection:

Breathing protection if dusts are formed.

##### Hand protection:

Chemical resistant protective gloves, Manufacturer's directions for use should be observed



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 6/10

Version: 2.0

(US/English)

because of great diversity of types.

### Eye protection:

Tightly fitting safety goggles (chemical goggles).

### Body protection:

Body protection must be chosen based on level of activity and exposure.

### General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Contaminated equipment or clothing should be cleaned after each use or disposed of.

## 9. Physical and Chemical Properties

Form:	powder
Odor:	odorless
Odor threshold:	No applicable information available
pH value:	Approx. 12-13
Melting point:	The product has not been tested
Sublimation point:	No applicable information available.
Flammability:	not flammable
Vapor pressure:	
Bulk density:	
Vapor density:	The product has not been tested.
Partitioning coefficient:	Approx. 1,800 - 2,400 kg/m <sup>3</sup>
Viscosity, dynamic:	The product is a non-volatile solid.
Viscosity, kinematic:	Not applicable
Solubility in water:	Not applicable
Miscibility with water:	No information available
Solubility (quantitative)	Dispersible (20° C)
Solubility (qualitative)	Miscible
Evaporation Rate:	Not applicable
	Not applicable
	The product is a non-volatile solid.

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated. Not fire-propagating.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.  
Strong bases are formed on the addition of water.

### Conditions to avoid

Avoid dust formation. Avoid humidity.



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 7/10

Version: 2.0

(US/English)

### Incompatible materials

strong bases, strong acids

### Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic after inhalation. The statement has been derive from the properties of the individual components. Product has not been tested.

Oral: No applicable information available

Inhalation: No applicable information available

Dermal: No applicable information available

#### Assessment other acute effects

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

#### Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation. May cause severe damage to eyes.

#### Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from the properties of the individual components. Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-live is unlikely.

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation. The product has not been tested. The statement has been derived from the properties of the individual components. Inhalation of dust may cause respiratory tract irritation, coughing and



# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 8/10

Version: 2.0

(US/English)

breathing difficulties. Product contains crystalline silica quartz from which prolonged or repeated inhalation over a long period of time may result in silicosis.

### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available information, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity: May cause cancer.

*Information on: quartz - crystalline silica (SiO<sub>2</sub>):*

*Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed*

*OSHA has classified this substance as a carcinogenic*

### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available information, the classification criteria are not met.

### Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available information, the classification criteria are not met.

### Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

## Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product gives rise to pH shifts. Based on available information, the classification criteria are not met.

### Persistence and degradability

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

Inorganic product which cannot be eliminated from water by biological purification processes. The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, like mechanical separation.

Experience shows this product to be inert and non-degradable.

#### Elimination information

not applicable





# SAFETY DATA SHEET

According to 29 CFR 1910.1200 App D

## SUNNY DRY® Leak Stop HYDRAULIC CEMENT

Revision date: 2020/12/01

Page: 9/10

Version: 2.0

(US/English)

### Bioaccumulative potential

#### Assessment bioaccumulation potential

The product will not be readily bioavailable due to its consistency and insolubility in water.

### Mobility in soil

#### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface. Following exposure to soil, absorption to solid soil particles is probable. Contamination of groundwater is not expected.

### Additional information

#### Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

### **Container disposal:**

Completely emptied packaging should be provided to local recycling firm.

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## 14. Transport Information

### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### US Federal Regulations

#### **Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (hazard categories):** Refer to SDS Section 2 for GHS classes applicable.

### **Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

WARNING:



**SAFETY DATA SHEET**  
According to 29 CFR 1910.1200 App D

**SUNNY DRY® Leak Stop HYDRAULIC CEMENT**

Revision date: 2020/12/01

Page: 10/10

Version: 2.0

(US/English)

This product contains a SILICA, CRYSTALLINE (AIRBORN PARTICLES OF RESPIRABLE SIZE), which is known to the state of California to cause cancer. For more information, visit [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**NFPA Hazard codes:**

Health : 3      Fire: 0      Reactivity: 0      Special:

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**16. Other Information**

**Indicates information that has changed from previously issued version.**

**Date of previous issue:** 5/18/2015.

**Organization that prepared the SDS:** Wall Firma, Inc.

**Disclaimer**

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Wall Firma, Inc., and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

**End of Safety Data Sheet**