

SAFETY DATA SHEET

***MOXIE SHIELD 1500***
PENETRATING CONCRETE SEALER**SECTION 1: Product and Company Identification****Product name:**

Moxie Shield 1500 Penetrating Concrete Sealer

Recommended use:

Penetrating Concrete Sealer

Company:

Moxie International, Inc.

Address:4170 Citrus Ave.
Rocklin, CA 95677
United States of America (USA)**Website:**www.moxieinternational.com**Telephone:**

1-844-845-1975

SECTION 2: Hazard(s) Identification**Emergency Overview:**

Clear to hazy, odorless to musty smell, liquid. Causes moderate eye, skin, and digestive tract irritation. Spray mist causes irritation to respiratory tract. Due to high pH of product, release into surface water is harmful to aquatic life. Noncombustible. Spills are slippery.

Reacts with acids, ammonium salts, reactive metals and some organics.

Eye Contact:

Causes moderate irritation to the eyes.

Skin Contact:

Causes moderate irritation to the skin.

Inhalation:

Spray mist is irritating to the respiratory system.

Ingestion:

May cause irritation to the mouth, esophagus, and stomach.

Chronic Hazards:

No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

Physical Hazards:

Dries to form glass film which can easily cut skin. Spilled material is very slippery. Can etch glass if not promptly removed.

Chemical Name:

Inorganic, chemically reactive, hydrous silicate solution, proprietary formulation (CAS #1344-09-8). Product contains no materials known to the state of California to cause cancer, birth defects, or other reproductive toxicity.

Hazard Rating (NFPA 704 criteria):

Health: 1, Fire: 0, Reactivity: 0

Hazard Pictograms:



SECTION 3: Composition/Information on Ingredients

CAS Number: Trade Secret	All ingredients are non-hazardous and proprietary.
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Additional Information:

The specific chemical identity and/or exact percentages (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR sec.1910.1200).

SECTION 4: First Aid Measures

In case of skin contact:

If on skin, rinse well with water.
If on clothes, remove clothes.
If skin irritation persists, call a physician.

In case of eye contact:

Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If Swallowed:

Do not give milk or alcoholic beverages.

SECTION 5. Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Firefighting:

Thermal decomposition may produce irritating and toxic fumes including carbon oxides, silicon oxides and metal oxides.

Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment.

Special Precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fumes and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers, and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do not get in eyes. Avoid contact with skin and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

No occupational exposure limits noted for the ingredient(s).

Biological Limit Values:

No biological exposure limits noted for the ingredient(s).

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal Protection Equipment

Eye and Face Protection:

Use safety glasses with side shields or goggles. Consider the use of a face shield for splash protection. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by Recognize national standards (or equivalent).

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workspace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Appearance	Liquid
Colour	Colorless
Odor	Odorless
Odor Threshold	No data available
pH	11.0 - 11.5
Freezing Point	No data available
Initial Boiling Point/Range	100°C (212°F)
Flash Point	No applicable
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	No data available
Density	10.5 lbs/gal
Solubilities - Water solubility	Soluble
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Thermal decomposition	No data available

SECTION 10: Stability and Reactivity

Reactivity:

No dangerous reaction known under conditions of normal use. No decomposition if stored and applied as directed.

Chemical Stability:

Stable under normal conditions. No decomposition if stored and applied as directed.

Possibility of hazardous reactions:

Can react with chemically reactive metals, such as aluminum, zinc, magnesium, copper, etc., to release hydrogen gas which can form explosive mixtures with air.

Conditions to avoid:

Keep away from heat, flame, sparks and other ignition sources.

No data available.

Incompatible Materials:

Aluminum
Avoid contact with or storage in aluminum and its alloys.
Tin
Zinc
Ammonium salts
Lead
Strong acids

SECTION 11: Toxicological Information

Acute Toxicity

Product:

Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg

Components:

Acute oral toxicity: LD50 (Rat, male and female): 3,400 mg/kg
Acute inhalation toxicity: LC50 (Rat, male and female): > 2.06 mg/l
Exposure time: 4.4 h
Test atmosphere: dust/mist
Test substance: Information given is based on data obtained from similar substances.

Skin Corrosion/Irritation

Product:

Result: Irritating to skin.
Remarks: May cause skin irritation in susceptible persons.

Carcinogenicity

IARC:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA:

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Further Information

Product:

Remarks: No data available.

SECTION 12: Ecological Information

Ecotoxicity

No data available.

Persistence and degradability

No data available.

Bio-accumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

Product:

Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82
Protection of Stratospheric Ozone - CAA Section 602
Class I Substances
Remarks: This product neither contains, nor was
manufactured with a Class I or Class II ODS as defined
by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt.
A, App. A + B).

Additional ecological infor-
mation

No data available.

SECTION 13: Disposal Considerations

Disposal Methods:

Disposed material is not a hazardous waste. Dispose of in accordance with all applicable local, state and federal regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

SECTION 14: Transport Information

DOT (Dept of Transportation): Not regulated as a dangerous good.
IATA (Int'l Air Transport Association): Not regulated as a dangerous good.
IMDG-Code: Not regulated as a dangerous good.

SECTION 15: Regulatory Information

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Corrosive to metals
Skin corrosion or irritation
Eye irritation

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
This material does not contain any components with a section 302 EHS TPQ.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act:

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act:

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

US State Regulations

California Prop 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workspace remains with the user.

NFPA: 2-0-0

HMIS: 2-0-0

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End of Safety Data Sheet