



# Boot Shield

## SECTION 1: IDENTIFICATION

### 1.1. Product identifier

Trade name Boot Shield

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

Relevant identified uses of the substance or mixture

Cleaning product  
Restricted to professional users.

Uses advised against

None known.

### 1.3. Details of the supplier of the safety data sheet

Company and address

#### Zinpro Specialty Products

7500 Flying Cloud Drive, Suite 800

55344 Eden Prairie, MN

US

1-952-983-4000

www.zinpro.com

E-mail

zinpro@zinpro.com

SDS date

6/20/2025

SDS Version

1.0

### 1.4. Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case

See also section 4 "First aid measures".

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

## SECTION 2: HAZARD(S) IDENTIFICATION

### OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.1. Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Eye Dam. 1; H318, Causes serious eye damage.

### 2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

Precautionary statement(s)

General

-

Prevention

Wash hands and exposed skin thoroughly after handling. (P264)

Wear eye protection/protective gloves/protective clothing. (P280)

Response



# SAFETY DATA SHEET

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
Immediately call a POISON CENTER/doctor. (P310)  
IF ON SKIN: Wash with plenty of water and soap. (P302+P352)  
If skin irritation occurs: Get medical advice/attention. (P332+P313)  
Take off immediately all contaminated clothing and wash it before reuse. (P361+P364)

**Storage** -  
**Disposal** -  
**Additional labelling** Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
calcium hypochlorite	CAS No.: 7778-54-3	3-5%	Ox. Sol. 2, H272 Acute Tox. 4, H302 Skin Corr. 1B, H314	
Symclosene	CAS No.: 87-90-1	<1%	Contact with acids liberates toxic gas Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Irrit. 2, H319 STOT SE 3, H335	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

### Other information

-

## SECTION 4: FIRST-AID MEASURES

### 4.1. Description of first aid measures

#### General information

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### Ingestion



# SAFETY DATA SHEET

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.  
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.  
Not applicable.

## Burns

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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage. High amounts of dust can cause coughing and general irritation of the respiratory airways.

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

IF exposed or concerned:  
Get immediate medical advice/attention.  
Bring this safety data sheet or the label from this product.

## Information to medics

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.  
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.  
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:  
Halogenated compounds  
Sulphur oxides  
Some metal oxides  
Oxygen, hypochlorous acid, chlorine.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.  
Ensure adequate ventilation, especially in confined areas.  
Contaminated areas may be slippery.  
Protective equipment: Do not attempt to take action without suitable protective equipment. Wear personal protective equipment. Emergency procedures: Evacuate unnecessary personnel. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

### 6.3. Methods and material for containment and cleaning up

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.



# SAFETY DATA SHEET

Wherever possible cleaning should be performed with normal cleaning agents.  
Avoid use of solvents.  
Store away from other materials.

## 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid direct contact with the product.  
Smoking, drinking and consumption of food is not allowed in the work area.  
See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.  
Powder trickling out onto the floor or onto other containers must be prevented.

#### Recommended storage material

Keep only in original packaging.  
compatible/ incompatible

#### Storage conditions

Dry, cool and well ventilated  
Protect from sunlight.  
Do not expose to temperature exceeding 20C/68F"

#### Incompatible materials

Strong oxidizing agents  
compatible/ incompatible  
Strong acids, alkali metals, metal powders, oxidizing materials and amines.  
Contact with metals can result in decomposition with the formation of oxygen.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Calcium hydroxide  
Long term exposure limit (OSHA Table Z-1) (mg/m<sup>3</sup>): 15 (total dust) / 5 (Respirable fraction)  
Long term exposure limit (ACGIH TLV) (mg/m<sup>3</sup>): 5 (total dust)  
Long term exposure limit (NIOSH REL) (mg/m<sup>3</sup>): 5 (total dust)

#### Own set exposure limits

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or

dust.

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked.

Ensure that eyewash stations and safety showers are located within easy reach.

Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment.

Take off contaminated clothing and wash it before reuse.

## Hygiene measures

### Measures to avoid environmental exposure

No specific requirements.

## Individual protection measures, such as personal protective equipment

### Generally

Use only protective equipment with a recognized certification mark, e.g. the UL mark.

### Respiratory Equipment

Type	Class	Colour	Standards
NA	NA	NA	English
No special when used as intended.			

### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn.	-	-
NA	NA	English



### Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
When there is risk of splash- / intermittent exposure	Gloves	-	-	EN374
	Avoid contact with skin. Wear personal protective equipment.	NA	NA	NA



### Eye protection

Type	Standards
NA	English
Safety glasses with side shields.	EN166



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



# SAFETY DATA SHEET

## 9.1. Information on basic physical and chemical properties

Physical state	Powder
Color	White
Odor	Characteristic
Odor threshold (ppm)	No data available.
pH	No data available.
Density (g/cm <sup>3</sup> )	No data available
Relative density	No data available
Kinematic viscosity	Does not apply to solids.
Particle characteristics	No data available

## Phase changes

Melting point/freezing point (°F)	No data available
Softening point/range (°F)	Does not apply to solids.
Boiling point (°F)	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Decomposition temperature (°F)	No data available.

## Data on fire and explosion hazards

Flash point (°F)	No data available
Flammability (°F)	No data available
Auto-ignition temperature (°F)	No data available
Explosion limits (% v/v)	No data available

## Solubility

Solubility in water	No data available.
n-octanol/water coefficient (LogKow)	No data available.
Solubility in fat (g/L)	No data available.

## 9.2. Other information

Evaporation rate (n-butylacetate = 100)	No data available
Other physical and chemical parameters	No data available.
Oxidizing properties	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Contact with acids liberates toxic gas.  
Reacts violently with alkali metals, metal powders, oxidizing materials and amines.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies

Contact with acids liberates toxic gas.

### 10.4. Conditions to avoid

NA  
Storage in the open is not recommended.  
Extremes of temperature  
Protect from sunlight. Do not expose to temperatures exceeding 20 °C/68 °F.

### 10.5. Incompatible materials



# SAFETY DATA SHEET

Strong acids  
Strong oxidizing agents  
compatible/ incompatible  
Strong acids, alkali metals, metal powders, oxidizing materials and amines.  
Contact with metals can result in decomposition with the formation of oxygen.

## 10.6. Hazardous decomposition products

Oxygen, hypochlorous acid, chlorine.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory sensitisation	Based on available data, the classification criteria are not met.
Skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Long term effects	The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.
Other information	None known.

## SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity	Based on available data, the classification criteria are not met.
12.2. Persistence and degradability	Based on available data, the classification criteria are not met.
12.3. Bioaccumulative potential	Based on available data, the classification criteria are not met.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
12.6. Other adverse effects	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

### Specific labelling

### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION



# SAFETY DATA SHEET

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMD G	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

## Additional information

Not dangerous goods according to DOT, IATA and IMDG.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to IMO instruments

No data available.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.2. U.S. Federal regulations

TSCA (the non-confidential portion)

Calcium hydroxide is listed

Clean Air Act

None of the components are listed

EPCRA Section 302

None of the components are listed

EPCRA Section 304

None of the components are listed

EPCRA section 313

None of the components are listed

CERCLA

None of the components are listed

Hazardous chemical inventory  
reporting

This product is subject to Tier II reporting.

#### State regulations

California / Prop. 65

None of the components are listed

Massachusetts / Right To Know Act

Calcium hydroxide is listed

New Jersey / Right To Know Act

Calcium hydroxide / Substance number: 0322

New York / Right To Know Act

—  
Calcium hydroxide is listed

Calcium hydroxide is regulated with a Treshold Reporting Quantity (TRQ) of: 100 pounds

Pennsylvania / Right To Know Act

—  
Calcium hydroxide is listed

—

### 15.4. Restrictions for application

Restricted to professional users.

### 15.5. Demands for specific education

No specific requirements.

### 15.6. Additional information

Not applicable.

### 15.7. Chemical safety assessment

No

### 15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

## SECTION 16: OTHER INFORMATION





# SAFETY DATA SHEET

## Full text of H-phrases as mentioned in section 3

Contact with acids liberates toxic gas, Risk of explosion if heated under confinement.

H272, May intensify fire; oxidiser.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H319, Causes serious eye irritation.

H335, May cause respiratory irritation.

## The full text of identified uses as mentioned in section 1

None known.

## Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CERCLA = Comprehensive Environmental Response Compensation and Liability Act

DOT = Department of Transportation

EINECS = European Inventory of Existing Commercial chemical Substances

EPCRA = Emergency Planning and Community Right-To-Know Act

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

HCIS = Hazardous Chemical Information System

HNOC = Hazards Not Otherwise Classified

IARC = International Agency for Research on Cancer

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NFPA = National Fire Protection Association

NIOSH = National Institute for Occupational Safety and Health

OECD = Organisation for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

PBT = Persistent, Bioaccumulative and Toxic

RCRA = Resource Conservation and Recovery Act

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SARA = Superfund Amendments and Reauthorization Act

SCL = A specific concentration limit.

STEL = Short-term exposure limits

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TSCA = The Toxic Substances Control Act

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound



# SAFETY DATA SHEET

## Additional information

vPvB = Very Persistent and Very Bioaccumulative

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

SDS preparation date: 06/20/2025

## The safety data sheet is validated by

Amy Reid

## Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

SDS last known revision: Not applicable

Country-language: US-en