



CHARLESTON LIMEWASH

LIMEWASH/WOODLIME SAFETY DATA SHEET

Safety Data Sheet

First edition: 7.27.2016

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Limewash / Woodlime

1.2 Recommended Use and Uses advised against.

Identified uses: Properly prepared interiors, exteriors, furniture, and floors.

Uses advised against: Refrain from applying to non-porous surfaces.

1.3 Details of the Supplier of the Safety Data Sheet (Producer/Seller)

Company: Charleston Limewash
Address: 4221 Rivers Ave. Suite f Charleston, SC 29405
Tel.: 843-793-2009
Website: www.charlestonlimewash.com
Email: info@charlestonlimewash.com
Importer: Not applicable.

1.4 Emergency No.

Emergency No.: 843-793-2009 (9am-5pm E.S.T.)

2. Hazards Identification

2.1 Hazard Classification:

Skin irritation, category 2
Causes serious eye damage, category 1
Target organ systemic toxicity (single exposure), category 3
Harmful if swallowed, category 3

2.3 Signal word:

Danger

2.4 Hazard statement:

H315. Cat. 2: Causes skin irritation.
H318. Cat. 1: Causes serious eye damage.
H335. Cat. 3: May cause respiratory irritation.
H302. Cat. 3: Harmful if swallowed

2.5 Pictograms:



2.6 Precautionary Statement:

P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352: IF ON SKIN: Wash with soap and water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to regional, national and international regulations.

2.7 Other Hazards



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Product group:	Limewash	
Products:	Formula	CAS#
Interior/Exterior Limewash & Woodlime	Ca(OH) ₂	1305-62-0 (calcium hydroxide)

3. Composition/Information on Ingredients

3.1 Substances *Calcium hydroxide, Ca(OH)₂, also known as slaked lime*

3.2 Mixture *Chemical Characterization: Limewash is approximately 50% calcium hydroxide Ca(OH)₂ combined with water.*

Hazardous Ingredients: Calcium hydroxide 40-60%

4. First Aid Measures

4.1 Description of the First Aid Measures

General information: Seek medical attention if excessive physical contact with product occurs.

Upon Inhalation: Get fresh air immediately.

Upon contact with skin: Remove contaminated clothing. Wash contaminated area with a large amount of soap and water. Rinse off. If irritation continues, contact physician.

Upon contact with eyes: Flush open eyes with water for 10 minutes. Contact physician immediately.

Upon ingestion: Drink plenty of fluids. Acidic juices or diluted vinegar help to balance pH. Do not induce vomiting. Contact physician immediately.

4.2 Most important Symptoms and Effects, both Acute and Delayed

*Symptoms: Skin contact: irritation can occur.
Inhalation: may irritate respiratory tract or mucus membrane.
Eye contact: can cause serious eye damage.*

Effects: Same as symptoms.

4.3 Recommendations for Immediate Medical Attention and Special Treatment Needed

Treatment: Treat each symptom following suggestions in 4.1

5. Fire Fighting Measures

5.1 Extinguishing Equipment

*Suitable extinguishing equipment: Product is not flammable or combustible.
Extinguishing powders, CO₂, firefighting foam.*

Unsuitable extinguishing equipment: None.

5.2 Specific Hazards arising from product during fire

Specific hazards: None as product is a flame retardant and non-combustible.

5.3 Firefighter Recommendations

*Protective equipment: Protect against inhalation with protective respiratory device. **Wear protective clothing.***

Precautions: None as product is non-flammable and non-combustible.



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6. Accidental Release Measures

6.1 Personal Precautions, protective equipment, and emergency procedures

Ventilate area properly.
Wear protective clothing and eye protection.
Rubber gloves, long sleeves, and eye protection recommended to avoid contact with skin, eyes, and clothing.
Contact physician upon ingestion, contact with eyes, and/or extended contact with skin.

6.2 Environmental Precautions

Avoid spilling large quantities into drains and surface waters.
Contact local authorities if spillage occurs.

6.3 Methods and materials used for containment

Methods and materials: Keep materials protected from damage in a dry area sealed in the provided containers.
Keep sealed and upright when not in use.
Wear gloves during cleanup.
Dispose of in appropriate containers.

7. Handling and Storage

7.1 Precautions for Safe Handling

Safe handling instructions: Ensure appropriate protective clothing is worn (long sleeves, gloves, eye protection.)
Have an eye rinsing station or sink near by.

Hygienic practices: Avoid contact with skin and eyes. Avoid eating, drinking, and smoking while using product.

7.2 Safe storage conditions including any compatibilities

Storage conditions: Keep materials protected from damage in a dry area sealed in the provided containers.
Keep sealed tight and upright when not in use.
Keep away from children.

Specific storage requirements: Store in original container away from food and beverages.
Proper container material: plastic. Improper container material: aluminum.

8. Exposure Controls/Personal Protection

8.1 Parameters to be controlled

Threshold Limit Value (TLV): TLV : 5 mg/m³ TWA

Permissible Exposure Limit (PEL): PEL : 15 mg/m³ TWA

Predicted No-Effect Concentration (PNEC): Freshwater: 0.49 mg/l
Marine water: 0.32 mg/l
Sewage treatment plant (STP): 3 mg/l
Soil: 1.080 mg/kg

8.2 Exposure controls

Engineering controls: Ventilate area properly or use exhaust system.

Personal controls: Don't eat or drink while using product.
Don't store product near food or drink.
Wash hands before and after using.
Wear respiratory protection if ventilation is poor.
Wear protective Nitrile rubber gloves (breakthrough time 480 minutes level 6.)
Wear protective glasses.
Provide eye rinsing station or bottle.
Wear protective clothing: cover arms and legs.

Environmental controls: Keep away from drains, surface and ground water.



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9. Physical and Chemical Properties

9.1 Physical and Chemical properties

Appearance:	Paste, white
Explosive limits:	Non-combustible
Odor:	Odorless. None.
Vapor pressure:	0 mmHg
Vapor Density:	Not applicable.
pH:	12.6 (20°C)
Relative density:	Not Available.
Melting point/freezing point:	550°C
Water Solubility:	1.7g/l at 20°C
Initial boiling point and boiling range:	100°C
Flash point:	Not applicable.
Evaporation rate:	Not applicable
Flammability (solid, gas):	Non-flammable
Partition coefficient (n-octanol/water):	Not applicable.
Auto-ignition temperature:	None at temps below 400°C
Decomposition temperature:	580°C. Heated above this temperature will cause calcium hydroxide to separate into calcium oxide and water.
Viscosity:	Not available.

10. Stability and Reactivity

10.1 Reactivity	Calcium hydroxide separates in aqueous media forming calcium cations and hydroxyl anions.
10.2 Chemical Stability	Stable under normal conditions and suggested use.
10.3 Hazardous reactions	Exothermic reactions when combined with acids. Avoid heating above 580°C to avoid decomposition of calcium hydroxide.
10.4 Materials to avoid	Strong acids that could react exothermically.
10.5 Hazardous decomposition products	None known.

11. Toxicological Information

Acute Toxicity:	Non toxic (calcium hydroxide)
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/eye irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	Not a respiratory or skin sensitizer (calcium hydroxide).
CMR properties:	Not carcinogenic, germ cell mutagenic, or a reproductive toxicant.
Specific target organ toxicity (Single exposure):	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure):	No toxicological effects.
Aspiration hazard:	No aspirational hazards.
Ingestion:	No information available.
Contact with eyes:	Causes serious blindness, disorder of the cornea, possible blindness.
Inhalation:	Irritation, cough, difficulty breathing.
Contact with skin:	Irritation.
Other Information:	None available.

12. Ecological Information

Aquatic toxicity:	In concentrations >1g/L, pH increases due to its high alkalinity (12.4).
Degradability:	Not applicable to inorganic substances.
Bioaccumulation:	Data not available.
Mobility in soil:	Weak mobility in soil.
Other effects:	Not biodegradable. Slightly hazardous to water. Keep out of ground water, waterways, and sewage systems. High pH used to balance acidic water but when concentration is >1g/L aquatic organisms can be harmed due to rapid shift in pH.

13. Disposal Considerations

Appropriate disposal:	Dispose of containers and leftover product according to local, state and Federal waste disposal requirements.
Sewage disposal information:	Though not listed as hazardous waste, do not empty into drains.
Special precautions:	Separate waste (product and container) appropriately according to local, state, and Federal waste disposal requirements.



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14. **Transport Information**

14.1 UN number	03980	(not subject to transport guidelines)
14.2 UN proper shipping name	Not applicable - not hazardous according to land transportation.	
14.3 Transport hazard classes	Not applicable.	
14.4 Packing Group	Not applicable.	
14.5 Environmental hazards	None	
14.6 Special precautions for user	None known	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC-code	Not applicable	
14.8 Other		

15. **Regulatory Information**

15.1 Safety, health, environmental regulations specific for the product	Slightly hazardous for water in high concentrations.
SARA 302/304:	Emergency Planning and Release Notification- <u>Not listed</u>
SARA 311:	Hazard Categories (40 CFR 370) Registered under OSHA HazCom
SARA 312:	Emergency Planning and Release Notification- <u>Not listed</u>
SARA 313:	Toxic Release Inventory (TRI) Chemical List- <u>Not listed</u>
CERCLA:	Hazardous Substances - <u>Not listed</u>
TSCA/DSL:	Toxic Substance Control Act, Canada DSL and most International Chemical Inventories - <u>Listed</u>
RCRA:	Hazardous Waste Number and Classification - <u>Not listed or classified</u>
WASTE:	Not subject to RCRA and generally acceptable at landfills as a "special waste." Product can be reused or recycled for other purposes.
CWA 311:	List of hazardous substances: <u>Not listed</u> . At high concentrations, calcium hydroxide may be toxic to aquatic life due to its high alkalinity.
US DOT:	U.S. Dept. of Transportation: <u>Not regulated</u> .
FDA:	Calcium hydroxide is generally recognized as safe (GRAS) by FDA 21 CFR 184.1205.
PROP 65:	Not listed.

16. **Other Information**

Prepared 7-27-2016 in order to provide safe application guidelines based on our current operations and knowledge. Intended to guide proper and safe usage. Users of product must exercise own judgement depending on their purpose and situation for appropriate application.