

SAFETY DATA SHEET

CALCIUM HYDROXIDE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Calcium hydroxide
Catalog Number: CAH666/CAH555
Recommended use: for research purposes

SECTION 2 HAZARDS IDENTIFICATION

Emergency overview:

WHIMIS: D2B- toxic Material Causing other effects
Skin irritant
Eye irritant

GHS Classification:

Skin irritation (Cat2)
Serious eye damage (Cat 1)
Specific target organ toxicity-single exposure (Cat 3)

Pictogram:



Signal word: DANGER

Hazard statements:

H315 causes skin irritation
H318 causes serious eye damage
H335 may cause respiratory irritation

Precautionary statements:

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray
P280 wear protective gloves/eye protection/face protection.
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. remove contact lenses, if present and easy to do. Continue rinsing.

Potential health effects:

Inhalation: May be harmful if inhaled
Skin: May be harmful if absorbed through skin
Eyes: Causes eye irritation
Ingestion: May be harmful if swallowed

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Calcium hydroxide	1305-62-0	+98%

Molecular formula: H₂CaO₂
Molecular weight: 74.09

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
Skin: Flush area immediately with plenty of soap and water .
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration .Get medical attention if symptoms persist.
Ingestion: Wash mouth with water.

SECTION 5 FIRE FIGHTING MEASURES

General Information: Always wear full protective gear in the event of a fire. Toxic gases and vapors may be generated by decomposition or combustion. Excessive dust in combination with air can create an explosive mixture.
Flammable: No
Flash Point: N/A
Autoignition Temperature: N/A
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.
Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container. Avoid generating dust.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse..
Storage Conditions: RT.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed
Use adequate ventilation. Avoid dust generation.
Wear appropriate protective equipment to prevent eye and skin exposure.

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Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Use appropriate exhaust ventilation .

Respiratory protection: use OSHA/MSHA approved dust masks.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: white powder

Freezing/Melting Point: N/A

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Solubility: N/A

pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure

Conditions to avoid: spills

Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,

Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:

LD50 Oral-rat: >7,000mg/kg

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or OSHA

SECTION 12 ECOLOGICAL INFORMATION

Toxicity:

No information found.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

DOT (US): not dangerous

IMDG: not dangerous

IATA: not dangerous

SECTION 15 REGULATORY INFORMATION

US: TSCA: listed

Canada: D2B

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Dec 29/2021

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.