

Paramount CHEMICALS & PLASTICS, INC.

Safety Data Sheet Calcium Hydroxide/Lime SDS

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Calcium Hydroxide; Lime

CAS#: 1305-62-0

Synonyms: Hydrated lime; Slaked Lime; Calcium Oxide, hydrated

Chemical Name: Calcium Hydroxide

Chemical Formula: Ca(OH)₂

Distributed by:

Paramount Chemicals & Plastics, Inc.

Warehouse:

14470 S State Road 29

Felda, FL 33930

Phone: (863) 674-1800

Fax: (863) 674-1802

E-mail: kenatparamountchem@earthlink.net

CHEMTREC - 24 Hour Emergency Telephone- call: 1-800-424-9300. CCN 811901

Section 2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards: Irritant

GHS Classification: Skin irritation (Category 2); Serious eye damage (Category 1); Specific target organ toxicity - single exposure (Category 3); Acute aquatic toxicity (Category 3).

GHS Label elements, including precautionary statements



Signal word: Danger!

Hazard statement(s)

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H402 Harmful to aquatic life.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for at least twenty (20) minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification: Health hazard: 3 Flammability: 0 Physical hazards: 0

NFPA Rating: Health hazard: 3 Fire: 0 Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if absorbed through skin. Causes skin burns. Causes eye burns. May be harmful if swallowed.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number: 1305-62-0

Percent by Weight: 100

Section 4. FIRST AID MEASURES

If In Eyes: Rinse thoroughly with plenty of water for at least twenty (20) minutes and consult a physician. Continue rinsing eyes during transport to hospital if applicable.

If On Skin: Wash off with soap and plenty of water.

If Inhaled: Move person to fresh air. If not breathing, give artificial respiration.

If Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

If irritation persists in any of the above, seek medical attention.

Section 5. FIREFIGHTING MEASURES

Conditions of flammability: Not flammable or combustible.

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products: Hazardous decomposition products formed under fire conditions. - Calcium oxide.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Air and moisture sensitive. Keep in a dry place.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment:

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls.

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Eye protection: Wear face shield and/or safety glasses.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Form powder, Color: beige

Safety data

pH 12.4 - 12.6 at 20 °C (68 °F)

Melting point/freezing point ≥ 450 °C (≥ 842 °F)

Boiling point no data available

Flash point not applicable

Ignition temperature no data available

Auto-ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Vapour pressure no data available
Density 2.24 g/cm³ at 25 °C (77 °F)
Water solubility no data available
Partition coefficient: n-octanol/water no data available
Relative vapor density no data available
Odor no data available
Odor Threshold no data available
Evaporation rate no data available

Section 10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available
Materials to avoid: Strong acids
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions.
- Calcium oxide. Other decomposition products - no data available.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Oral LD50 - LD50 Oral - rat - 7,340 mg/kg
Inhalation LC50 - no data available
Dermal LD50 - no data available
Other information on acute toxicity - no data available
Skin corrosion/irritation - Skin - rabbit - Irritating to skin.
Serious eye damage/eye irritation - Eyes - rabbit - Severe eye irritation
Respiratory or skin sensitization - no data available
Germ cell mutagenicity - Genotoxicity in vitro - rat - Ascites tumor Cytogenetic analysis
Carcinogenicity
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity- no data available
Potential health effects: **Eyes:** Causes eye burns. **Skin:** May be harmful if absorbed through skin. Causes skin burns. **Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. **Ingestion:** May be harmful if swallowed.

Section 12. ECOLOGICAL INFORMATION

Toxicity - Toxicity to fish LC50 - Clarias gariepinus - 33.884 mg/l - 96 h
Persistence and degradability - no data available
Bioaccumulative potential - no data available
Mobility in soil - no data available
PBT and vPvB assessment - no data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Section 13. DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. TRANSPORT INFORMATION

DOT (US): Not dangerous goods; **IMDG:** Not dangerous goods; **IATA:** Not dangerous goods.

Section 15. REGULATORY INFORMATION

OSHA Hazards: Irritant.

Section 16. OTHER INFORMATION

References: 2014 -The Sigma-Aldrich Library of Chemical Safety Data
Last Updated: 04/2017
Paramount Chemicals & Plastics, Inc. ("Supplier") shall not be responsible for the use of any information, product, method, or apparatus herein presented ("Information"), and you must make your own determination as to its suitability and completeness for your own use, for the protection of the environment, and for health and safety purposes. You assume the entire risk of relying on this Information. In no event shall Supplier be responsible for damages of any nature whatsoever resulting

from the use of this product or products, or reliance upon this Information. By providing this Information, Supplier neither can nor intends to control the method or manner by which you use, handle, store, or transport Supplier products. If any materials are mentioned that are not Supplier products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed. Supplier makes no representations or warranties, either express or implied of merchantability, fitness for a particular purpose or of any other nature regarding this information, and nothing herein waives any of Supplier's conditions of sale. This information could include technical inaccuracies or typographical errors. Supplier may make improvements and/or changes in the product (s) and/or the program (s) described in this information at any time.