

Section 1: Identification

COMPANY: Sportsman Consulting, LLC DBA Vinmetrica
6084 Corte del Cedro, Suite 105
Carlsbad, CA 92011

PRODUCT NAME: Calcium Hydroxide Neutralizer, Part Number SC-60-7

SYNONYMS:

Recommended Use Laboratory Chemicals

Uses advised against:

EMERGENCY PHONE: 408-887-9230

INFORMATION PHONE: 760-494-0597 x 102

Section 2: Hazard(s) Identification

Classification:



Irritant

Skin Irritation: 2
Specific target organ toxicity (single exposure, respiratory): 3



Corrosive

Eye Damage: 1

SIGNAL WORD: Danger

HAZARD STATEMENTS:

Precautionary Statement(s):

Preventions:

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use

Wash thoroughly after handling
 Wear protective gloves, clothing, eye protection, face protection
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only indoors or in a well-ventilated area
 Do not eat, drink or smoke when using this product

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
 If eye irritation persists get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF ON SKIN: Wash with soap and water
 If skin irritation occurs: Get medical advice/attention

Storage:

Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.

Disposal:

Dispose of contents/container according to Federal, State and Local Regulations.

Hazards not otherwise classified (HNOC):

Combustible Dust Hazard: May form combustible dust concentrations in air (during processing).

Section 3: Composition/Information on Ingredients

CHEMICAL	CAS NUMBER	WEIGHT %
Calcium Hydroxide	1305-62-0	> 95

Section 4: First Aid Measures**Inhalation:**

Remove from exposure and move to fresh air immediately. Loosen clothing as necessary and position individual in a comfortable position. If breathing is difficult, give oxygen. Seek medical advice if discomfort or irritation persists.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

Skin Contact: Wash affected area with soap and water. Rinse thoroughly. Get medical aid if irritation develops or persists or if concerned.

Eye Contact: Protect unexposed eye. Rinse/Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

Most important symptoms and effects, both acute and delayed: Skin, eye, and upper respiratory tract irritation. Irritation, nausea, headache, shortness of breath.

If seeking medical attention, provide SDS document to physician.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable Extinguishing Media: Carbon Dioxide

Flash Point: No information available

Method: No information available

Autoignition Temperature: No information available

Explosion Limits

Upper: No data available

Lower: No data available

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products: Combustion products may include carbon oxides or other toxic vapors. Thermal decomposition can lead to release of irritating gases and vapors. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Calcium Oxide.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move product containers away from fire or keep cool with water spray as a protective measure, where feasible. Use spark proof tools and explosion-proof equipment.

NFPA Rating:



NFPA SCALE (0-4)

Health: 3

Flammability: 0

Instability: 0

Physical Hazards: 0

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment. Transfer to a recovery or disposal container. Use spark-proof tools and explosion-proof equipment. Use respiratory protective device against the effects of fumes/dust/aerosol. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Stop the spill, if possible. Contain spilled material by diking or using inert absorbent.

Environmental Precautions: Prevent from reaching drains, sewer or waterway. Collect contaminated soil for characterization per Section 13.

Methods for Containment and Clean Up: If in a laboratory setting, follow Chemical Hygiene Plan procedures. Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for

recovery or disposal. If necessary, used trained response staff/contractor. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e: clearing dust surfaces with compressed air)

Section 7: Handling and Storage

Handling: minimize dust generation and accumulation. Wash hands after handling. Avoid dispersal of dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Follow good hygiene procedures when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substances. If in a laboratory setting, follow Chemical Hygiene Plan. Use only in well ventilated areas. Avoid generation of dust or fine particulate. Avoid contact with eyes, skin, and clothing.

Storage: Keep containers tightly closed in a dry, cool and well ventilated place. Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store away from oxidizing agents. Store in well sealed containers. Keep container tightly sealed.

Section 8: Exposure Controls/ Personal Protection

Exposure Guidelines:

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Calcium Hydroxide	TWA: 5mg.m3	TWA: 15mg/m3 (total dust), 5mg/m3 (respirable fraction)	TWA: 5mg/m3	

Engineering Measures: Ensure that eyewash stations and safety showers are close to the workstation location. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts below the applicable workplace exposure limits indicated above.

Personal Protective Equipment:

Eye/Face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and Body Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: Not required under normal conditions of use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties**Physical State:** solid**Appearance:** off-white**Odor:** Odorless**Odor Threshold:** Not determined**pH:** 12.4 saturated solution**Melting Point:** 580 C**Boiling Point:** 2850 C**Flash Point:** Not determined**Evaporation Rate:** No information available**Flammability (solid, gas):** Not determined**Flammability or Explosive limits:****Upper:** No data available**Lower:** No data available**Vapor Pressure:** Not determined**Vapor Density:** Not determined**Specific Gravity:** 2.24**Solubility:** Slightly soluble in water.**Partition coefficient, n-octanol/water:** No data available**Autoignition Temperature:** No information available**Decomposition Temperature:** No information available**Viscosity:** No information available**Section 10: Stability and Reactivity****Reactive Hazard:** Non reactive under normal conditions.**Stability:** Stable under ordinary conditions of use and storage.**Conditions to Avoid:** Store away from oxidizing agents, strong acids or bases. Incompatible Materials. Dust generation. Excess heat.**Incompatible Materials:** Metals, acids, bases, strong oxidizing and reducing agents.**Hazardous Decomposition Products:** Carbon oxides (CO, CO₂) Oxides of Calcium**Hazardous Polymerization:** No information available**Hazardous Reactions:** No information available**Section 11: Toxicological Information****Acute Toxicity:****Product Information:** No acute toxicity information is available for this product**Component Information:**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Hydroxide	7340mg/kg (rat)	Not listed	Not listed

Toxicologically Synergistic: No information available**Products****Corrosive Irritation:** No additional information**Sensitization:** No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Calcium Hydroxide	1305.62-0	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects: No additional information.

Reproductive Effects: No additional information.

Developmental Effects: No additional information.

Teratogenicity: No additional information.

STOT – single exposure: May cause respiratory irritation

STOT – repeated exposure: No additional information.

Aspiration hazard: No information available

Symptoms / effects, both acute and delayed: No information available

Endocrine Distruptor Information: No information available

Other Adverse Effects:

Section 12: Ecological Information

Ecotoxicity

Persistence and degradability: Readily degradable in the environment.

Bioaccumulative potential: No information available

Mobility in soil: No information available

Other adverse effects: No information available

Section 13: Disposal Considerations

Waste Disposal Methods: Product/containers must not be disposed together with household garbage. Do not allow product to reach sewage system or open water. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous water regulations to ensure complete and accurate classification.

Section 14: Transport Information

UN-Number: 3262

UN proper shipping name: Corrosive No information available

Transport hazard class(es): Class: 8 Corrosive substances

Packing group: III

Environmental hazard:

Transport in bulk:

Special precautions for user:

Section 15: Regulatory Information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

Acute

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

1305-62-0 Calcium hydroxide

Section 16: Other Information

Label First Aid:

IN ALL CASES, CALL PHYSICIAN IMMEDIATELY. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, DO NOT

INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. In all cases get medical attention immediately.

Product Use: Laboratory Reagent.

Disclaimer:

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