SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

PRODUCT IDENTIFIER:	Calcium Carbonate
PRODUCT CODE:	3001
RECOMMENDED USE:	Not specified
UFI NUMBERS:	Not specified

MANUFACTURER/SUPPLIER INFORMATION

COMPANY NAME:	Travertine Technologies
ADDRESS:	5311 Western Ave Ste 170, Boulder, Colorado, 80301, United States
PHONE NUMBER:	1-720-577-3122
EMAIL/WEBSITE:	lab@travertinetech.com | https://www.travertinetech.com
EMERGENCY CONTACT:	1-720-577-3122

SECTION 2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the OSHA's Hazard Communication Standard at 29 CFR 1910.1200

H335	**Category 3**

2.2 Label Elements

Signal Word Warning

Hazard Statements

HAZARD CODE	STATEMENT
H335	May cause respiratory irritation

Precautionary Statements

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P319 - Get medical help if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container to ...
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Composition/Information on Ingredients

CAS NO.	CHEMICAL NAME	CONCENTRATION (%)
471-34-1	Calcium Carbonate	>98

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

INHALATION :	Remove victim to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur. Keep the affected person warm and at rest for recovery.
SKIN CONTACT :	Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
EYE CONTACT :	Immediately flush eyes with plenty of water. After initial flushing, remove contact lenses, if present, and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids.
INGESTION :	Call a physician or poison control center immediately. Only induce vomiting at the instruc - tions of a physician. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms and Effects

SYMPTOMS EFFECTS :	Remove victim to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur. Keep the affected person warm and at rest for recovery.

4.3 Indication of Any Immediate Medical Attention

GENERAL :

- Treat symptomatically. If you feel unwell or symptoms persist, get medical advice/ attention. Show this Safety Data Sheet to the physician.
- Immediate medical attention may be required depending on exposure. Treatment should be directed at the clinical condition of the patient, bring this SDS to the healthcare provider.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

SUITABLE AGENTS :	Utilize extinguishing media appropriate for the surrounding fire. Calcium Carbonate itself is not combustible, so focus on suppressing the source of the fire with methods like dry chemical or carbon dioxide.
UNSUITABLE AGENTS :	Avoid using water jets directly on the material if it is mixed with other substances that react with water. This could potentially cause splashing or spread the fire to other areas, exacerbating the situation.

5.3 Advice for Firefighters

GENERAL :	Avoid using water jets directly on the material if it is mixed with other substances that react with water. This could potentially cause splashing or spread the fire to other areas, exacerbating the situation.
PROTECTIVE EQUIPMENT :	Avoid using water jets directly on the material if it is mixed with other substances that react with water. This could potentially cause splashing or spread the fire to other areas, exacerbating the situation.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

GENERAL :	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Ensure proper disposal methods are followed to avoid environmental contamination.

6.3 Methods and Materials for Containment and Cleaning Up

GENERAL :	Minimize dust generation and accumulation during cleanup. Use a dust suppressant such as water. Sweep or vacuum the spilled material and place it in a suitable container for proper disposal. Wash the spill area with soap and water.
SMALL SPILLS :	Sweep up and shovel spilled material into suitable containers for disposal. Ensure the containers are kept closed to prevent dust generation and further release of the substance into the environment.
LARGE SPILLS :	Flush the affected area with plenty of water. Prevent entry of this material into waterways, sewers, basements, or confined areas. Create a dike to contain the spill for later disposal according to regulations.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

GENERAL :	Avoid breathing dust generated during handling. Ensure adequate ventilation, especially in enclosed areas. Use local exhaust ventilation or other engineering controls to keep airborne levels below exposure limits. If ventilation is insufficient, wear respiratory protection appropriate for the dust concentration.

7.2 Conditions for Safe Storage

GENERAL : Store in a cool dry place, away from incompatible materials such as strong acids. Elevated temperatures and contact with acids may cause decomposition, releasing carbon dioxide. Ensure adequate ventilation to prevent the accumulation of dust, which may cause respiratory irritation. Keep containers tightly closed when not in use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits Table

CAS NO.	CHEMICAL	REGULATION	METHOD	LIMIT VALUE
471-34-1	Calcium Carbonate	Occupational Safety and Health Administration (OSHA)	REL-TWA (Time Weighted Average)	10 mg/m^3 (total dust), 5 mg/m^3 (respirable fraction)
471-34-1	Calcium Carbonate	Occupational Safety and Health Administration (OSHA)	REL-TWA (Time Weighted Average)	10 mg/m^3 (total); 5 mg/m^3 (resp)
471-34-1	Calcium Carbonate	The National Institute for Occupational Safety and Health (NIOSH)	Recommended Exposure Limit	TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)
471-34-1	Calcium Carbonate	The National Institute for Occupational Safety and Health (NIOSH)	Recommended Exposure Limit	TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)

8.2 Individual Protection Measures

Protective equipment

INHALATION : Ensure adequate ventilation, especially in confined areas. If irritation occurs, use respiratory protection. After inhalation, move to fresh air and seek medical attention if breathing difficulties persist.

EYE PROTECTION :	Wear appropriate eye protection, such as safety glasses with side shields or goggles, to prevent particulate matter from entering the eyes. If eye contact occurs, immediately flush with water for 15 minutes.
HAND PROTECTION :	Wear chemical resistant gloves (e.g., neoprene or nitrile) during handling to avoid skin irritation. If skin contact occurs, wash affected area thoroughly with soap and water. Seek medical attention if irritation persists.
SKIN AND BODY PROTECTION :	Wear appropriate personal protective equipment, such as gloves and long sleeved clothing, to minimize skin contact. If skin contact occurs, wash affected area thoroughly with soap and water. Seek medical attention if irritation persists.
SKIN PROTECTION :	To prevent skin irritation, wear appropriate gloves. If skin contact occurs, wash affected area thoroughly with soap and water. Seek medical attention if irritation persists after washing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

EVAPORATION RATE :	Not specified
WATER SOLUBILITY :	Slightly soluble
FLASH POINT :	Not specified
SG DENSITY :	2.93 g/cm3 at 25C - lit.
UPPER EXPLOSIVE LIMIT :	Not specified
MELTING POINT :	800 degC (1472 degF) - Decomposes on heating.
DECOMPOSITION TEMPERATURE :	Not specified
MOLECULAR WEIGHT :	Not specified
VAPOUR PRESSURE :	Not specified
TOTAL VOC G L :	Not specified
STATE :	solid
APPEARANCE :	Form: powder Color: white
PH :	8.0
PH AS A SOLUTION :	Not specified

LOWER EXPLOSIVE LIMIT :	Not specified
BOILING POINT RANGE :	800 degC 1472 degF
AUTOIGNITION TEMPERATURE :	Not specified
VOLATILES :	Not specified
RELATIVE VAPOUR DENSITY :	Not specified
VISCOSITY :	Not specified

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

REACTIVITY :	This product is non-reactive under normal conditions of use, storage, and transport. No hazardous reactions are expected if handled and stored as directed, ensuring safe usage.
CHEMICAL STABILITY :	This material is considered stable under normal conditions of use, handling, and storage. Ensure proper containment and avoid conditions that could lead to unintended release or environmental contamination.
HAZARDOUS REACTIONS :	Under normal processing conditions, this product is not expected to be reactive. Hazardous polymerization reaction will not occur. No dangerous reactions are known under typical circumstances.
CONDITIONS TO AVOID :	Excessive heat should be avoided to prevent potential degradation or undesired reactions. Elevated temperatures can influence the stability of this material, potentially leading to hazardous situations.
INCOMPATIBLE MATERIALS :	This substance is incompatible with strong oxidizing agents. Contact with these materials may cause a rapid or uncontrolled reaction, potentially leading to the generation of heat or the release of hazardous gases.
HAZARDOUS DECOMPOSITION :	Thermal decomposition of this product may release oxides of carbon. These gases can pose a respiratory hazard, especially in poorly ventilated areas. Appropriate safety measures should be taken.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity table

CAS NO.	CHEMICAL	RESULT	DOSE	SPECIES	EXPOSURE
471-34-1	Calcium Carbonate	LD50	310 mg/kg	Mouse	Oral

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Table

CAS NO.	CHEMICAL	SPECIES	RESULT	VALUE	DURATION
471-34-1	Calcium Carbonate	Gambusia affinis (Western mosquitofish)	LC50	>56,000 mg/L	24

12.2 Persistence and Degradability

GENERAL : Insoluble in water

12.3 Bioaccumulative Potential

BIOACCUMULATIVE POTENTIAL : No information available.

12.4 Mobility in Soil

GENERAL : Is not likely mobile in the environment due its low water solubility.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

APPROPRIATE DISPOSAL : As per local laws and regulations.

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number

UN ID NUMBER: Not applicable

SHIPPING NAME: Not applicable

ENVIRONMENTAL HAZARDS : Not applicable

SPECIAL PRECAUTIONS : Not applicable

Transport Information

TRANSPORT MODE	SUB RISK	PACKAGING GROUP
Not applicable	Not applicable	Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations

GENERAL : No regulatory information available for the chemicals in this mixture.

SECTION 16. OTHER INFORMATION

16.1 Other Information

OTHER INFORMATION :

Revision Information

- Date of Current Revision: 2025-11-19
- Date of Original Creation: 2025-11-13

Abbreviations and Acronyms

- **CAS:** Chemical Abstracts Service
- **GHS:** Globally Harmonized System of Classification and Labelling of Chemicals
- **CLP:** Classification, Labelling and Packaging Regulation (EC) No. 1272/2008
- **OSHA:** Occupational Safety and Health Administration
- **ATE:** Acute Toxicity Estimate
- **STOT:** Specific Target Organ Toxicity
- **PBT:** Persistent, Bioaccumulative, Toxic
- **vPvB:** Very Persistent and Very Bioaccumulative

Key Literature References and Sources

- Data from manufacturer/supplier
- ECHA (European Chemicals Agency) database
- OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Relevant scientific literature and toxicological databases

Training Advice

- Ensure employees are trained on safe chemical handling.
- Provide instruction on proper PPE use, storage, and emergency procedures.

This Safety Data Sheet complies with GHS requirements and relevant regulations.

Generated: 2025-11-19