

Material Safety Data Sheet

Section 1. Identification

Product Name: CALIWEL WITH BNA / ANTIMICROBIAL PAINT / COATING

Date 10/2018

CALCIUM HYDROXIDE (HYDRATED LIME) BASED

Product Code: 73696-2

ALISTAGEN CORPORATION

Ten Park Avenue

New York, New York 10016

Emergency: National Response Center (800) 424-8802

EPA REG. NO. 73696-2

Section 2. Hazards

GHS Ratings

Skin corrosive

2 Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammatory

Eye corrosive

2B Mild eye irritant: Subcategory 2B, Reversible in 7 days

Carcinogen

2 Limited evidence of human or animal carcinogenicity

Organ toxin single exposure

3 Transient target organ effects - Narcotic effects - Respiratory tract irritation

CALIWEL MSDS

GHS Hazards

H315+H320

Causes skin and eye irritation

H319

Causes eye irritation

GHS Precautions

P260

Do not breathe dust/fume/gas/mist/vapors/spray

P264

Wash ... thoroughly after handling

P281

Use personal protective equipment as required

P363

Wash contaminated clothing before reuse

P301+P330+P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

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 continuously with water for several minutes.

Remove contact lenses if present and easy to do – continue rinsing

P405

Store locked up

P501

Dispose of contents/container in accordance with state and local regulations.

Signal Word: Danger

Section 3. Composition

Chemical Name	CAS Number	Weight Concentration %
TITANIUM DIOXIDE	13463-67-7	10.00% - 20.00%

Section 4. First aid Measures

Remove the effected individual into fresh air and keep person calm. Seek medical attention.

If in eyes: Immediately flush effected eyes for at least 15 minutes under running water with eyelids held open.

Wash effected area thoroughly with soap and water. Seek medical attention

If swallowed: Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

Never induce vomiting or give anything by mouth if victim is unconscious or have convulsions. Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5. Fire Fighting Measures

Fire Extinguishing Media: Non-Flammable

Fire & Explosion Hazard Data (ASTM E84)Flash Point (F):

NAFlame Spread Index (FSI): 0

Smoke Developed Index (SDI): 0Ignition Time (Min:Sec):

NoneMaximum Temp. at Exposed TC (F°): 560

Time to Maximum Temp. (Min:Sec): 9:42Flaming on Floor:

NoneAfterflame Top (Min:Sec): NoneAfterflame Florr (Min:Sec):

NoneLEL: 1.0%UEL: 5.0%Flammability Classification: Non-

FlammableDOT: No information Special Fire Fighting Procedures:
 NAUnusual Fire and Explosion Hazards: NA

Section 6. Accidental Release Measures

Spills should be contained, solidified, and placed in suitable containers for disposal. In the case of release to the environment, report spills to the National Response Center 1-800-424-8802. Dispose of absorbed material in accordance with all local, state and federal regulations. For Hazardous Waste Regulation: Call the RCRA Hotline at 1-800-424-9346.

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Pump off product.

Section 7. Handling and Storage

General advice: No special measures necessary provided product is used correctly.

General advice: Keep container tightly closed and in a cool place.

Section 8. Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits
TITANIUM DIOXIDE 13463-67-7	DRY ONLY: PEL - 15 Mg/m ³	DRY ONLY: PEL - 15 Mg/m ³

Respiratory protection: Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

Hand Protection: Chemical resistant protective gloves.

Eye Protection: Tightly fitting safety goggles (chemical goggles) and face shield

Section 9. Physical and Chemical Properties

Boiling Range 100 to 270 °C%

Weight Solids 3.25

% Weight Water 26.11%

Weight Volatile (VOC) 0.00

% Volume Volatile 0.00

Specific Gravity (SG) 1.424

% Weight Solids 3.25

Evaporation Rate (Butyl Acetate = 1): Slower than Ether

% Volume Volatile (VOC) 0.00

pH @ 77F: 12.4

Grams VOC/Liter Less Water 0.0

LBS VOC / Gallon Less Water 0.00

Coverage (sq. ft/gal. @1 mil) 0

Section 10. Reactivity

Conditions to avoid:

No conditions that should be avoided

Substances to avoid:

No substances known that should be avoided.

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions. The product is chemically stable.

Incompatible Materials: Strong oxidizing agents

No hazardous decomposition products if stored and handled as prescribed/indicated.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, organic products of combustion, oxides of sulfur.

Hazardous polymerization will not occur.

Section 11. Toxicity

Mixture Toxicity

Inhalation Toxicity LC50: 28mg/L

13463-67-7

TITANIUM DIOXIDE

Oral LD50: 5,000 mg/kg (RAT) Dermal LD50: 5,000 mg/kg

(RABBIT) Inhalation LC50: 7 mg/L

Routs of entry of solids and liquid eye and skin contact. Routs of entry for gasses include inhalation and eye contact. Skin contact may be a rout of entry for liquefied gasses.

Effects of Overexposure

CAS Number

None

Description

% Weight

Carcinogen Rating

N/A

Virtually nontoxic after single ingestion.

Repeated dose Toxicity:

Repeated oral uptake of substance did not cause substance-related effects. Repeated exhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

Section 12. Ecological

Component Ecoxicity.

Section 13. Disposal

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of container

Section 14. Transport

Land transport:

USDOT

Not classified as a dangerous good under transport regulations

Sea transport:

IMDG

Not classified as a dangerous good under transport regulations

Air transport:

IATA

Not classified as a dangerous good under transport regulations

Agency

DOT

Proper Shipping Name

PAINT

UN Number

non-hazardous

Packing Group

non-regulated

Hazard Class

water-based or latex

Section 15. Regulatory

Components Listed

EU Risk Phrases

Safety Phrase

- None

Country

Regulation

All

Section 16. Other Information

HMIS III rating

Health: 1

Flammability: 0

Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

Hazardous Material Information System (HMIS)

HMIS & NFPA Hazard Rating Legend

* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

CALIWEL MSDS

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