

Safety Data Sheet – Calacore Boost

1. Identification of the Substance and Company

Product Name:

Calacore Boost

Recommended Use:

Technical powder additive used in decorative concrete mixes for integrated marbled effects.

Uses Advised Against:

Use outside the Calacore Astra FS system.

Manufacturer Information:

Supplier : Calacatta Concrete Inc

Phone : 1+ 866-627-7293

Contact : cdamphousse@calacattaconcrete.ca

Emergency Telephone Number

CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. Hazard Identification

Classification of the hazardous product:

Carcinogenicity, Category 1A

May cause cancer if inhaled.

Specific target organ toxicity following repeated exposure, Category 1

Causes damage to organs through prolonged or repeated exposure if inhaled.

Hazard pictograms and Signal Word



Danger

Hazard statements

H350 May cause cancer if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust.

P264 Wash skin thoroughly after handling

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/clothing and eye/face protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container in accordance with applicable regulations.

Other hazards

None

Ingredient(s) with unknown acute toxicity

None

3. Composition/information on ingredients

Substances

Not Relevant

Mixtures Hazardous components within the meaning of WHMIS 2015 and related classification:

QTY	Name	Ident. Numb.	Classification
25 - 50%	silica sand; quartz	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372; Carc. 1A, H350

2.5 - 5%	titanium dioxide; Dioxotitanium	CAS:13463-67-7 EC:236-675-5 Index:022-006-00-2	Carc. 2, H351
0.1 - 0.25%	lithium carbonate; Dilithium carbonate	CAS:554-13-2 EC:209-062-5	Acute Tox. 4, H302; Aquatic Acute 3, H402; Eye Irrit. 2A, H319

The actual concentration of the components listed above is withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
- Wash thoroughly the body (shower or bath).
- Remove contaminated clothing immediately and dispose of it safely.

In case of eyes contact:

- Wash immediately with water.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- If breathing is irregular or stopped, administer artificial respiration.
- In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

Not available

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment :

(see paragraph 4.1)

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO₂).

Unsuitable extinguishing media:

- None in particular.

Specific hazards arising from the hazardous product

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: Not available
- Explosive properties: Not Relevant
- Oxidizing properties: Not Relevant

Special protective equipment and precautions for fire-fighters

- Use suitable breathing apparatus.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Move undamaged containers from the immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Provide adequate ventilation.
- Use appropriate respiratory protection.
- Do not allow it to enter into soil/subsoil. Do not allow it to enter into surface water or drains.
- Limit leakages with earth or sand.

Methods and material for containment and cleaning up

- Take up mechanically and dispose of according to local/state/federal regulations
- Scoop into containers and seal for disposal.
- Retain contaminated washing water and dispose of it.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Exercise the greatest care when handling or opening the container.
Use a localized ventilation system.
Do not breathe dust.
Don't use empty containers before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
Wash skin thoroughly after handling.
See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

8. Exposure controls/personal protection

Community Occupational Exposure Limits (OEL) :

Substance	OEL Type	Country	Occupational Exposure Limit
silica sand; quartz CAS: 14808-60-7	ACGIH		Long term 0.025 mg/m ³ A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis
	MAK	AUSTRIA	Long term 0.15 mg/m ³
	ACGIH		Long term 0.025 mg/m ³ (R), A2 - Pulm fibrosis, lung cancer
	MAK	SWITZERLAND	Long term 0.15 mg/m ³
	UE		Long term 0.1 mg/m ³ Comportement Contraignant
titanium dioxide; Dioxotitanium CAS: 13463-67-7	ACGIH		Long term 10 mg/m ³ A4 - LRT irr
	MAK	GERMANY	Long term 0.3 mg/m ³
	OSHA		Long term 15 mg/m ³
	ACGIH		Long term 10 mg/m ³ A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation
	MAK	AUSTRIA	Long term 5 mg/m ³ ; Short term 10 mg/m ³
	MAK	SWITZERLAND	Long term 3 mg/m ³

Predicted No Effect Concentration (PNEC) values:

titanium dioxide; Dioxotitanium CAS: 13463-67-7

Exposure Route: Fresh Water; PNEC Limit: 0.184 mg/l

lithium carbonate; Dilithium carbonate CAS: 554-13-2

Exposure Route: Soil; PNEC Limit: 100 mg/kg

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l

Exposure Route: Marine water; PNEC Limit: 0.0184 mg/l

Exposure Route: Marine water sediments; PNEC Limit: 100 mg/kg

Exposure Route: Freshwater sediments; PNEC Limit: 1000 mg/kg

Exposure Route: Intermittent release; PNEC Limit: 0.193 mg/l

Exposure Route: Fresh Water; PNEC Limit: 9 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 35.2 mg/l

Exposure Route: Marine water; PNEC Limit: 0.9 mg/l

Exposure Route: Marine water sediments; PNEC Limit: 3.52 mg/kg

Exposure Route: Soil; PNEC Limit: 1.76 mg/kg
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 122.2 mg/l
Exposure Route: Intermittent release; PNEC Limit: 0.3 mg/l

Derived No Effect Level (DNEL) values :

titanium dioxide; Dioxotitanium CAS: 13463-67-7	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Worker Industry: 0.17 mg/m ³
	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Consumer: 0.028 mg/m ³
lithium carbonate; Dilithium carbonate CAS: 554-13-2	Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects Worker Industry: 100 mg/kg; Consumer: 19.23 mg/kg
	Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects Worker Industry: 30 mg/m ³ ; Consumer: 28.92 mg/m ³
	Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Worker Industry: 64.3 mg/kg; Consumer: 64.3 mg/kg
	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Industry: 10 mg/m ³ ; Consumer: 9.64 mg/m ³
	Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects Consumer: 6.43 mg/kg
	Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects Consumer: 19.23 mg/m ³

Appropriate engineering controls

Not available

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Use impervious gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA

Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Solid

Appearance and colour: powder various

Odeur : caractéristique

Odour: characteristic

Odour threshold: Not Relevant

pH: Not Relevant
pH (water dispersion, 10%): 9.00
Melting point / freezing point: Not Relevant
Initial boiling point and boiling range: Not Relevant
Flash point: Not Relevant
Evaporation rate: Not Relevant
Upper/lower flammability or explosive limits: Not Relevant
Vapour density: Not Relevant
Vapour pressure: Not Relevant
Relative density: Not Relevant
Solubility in water: dispersible
Solubility in oil: Not Relevant
Partition coefficient (n-octanol/water): Not Relevant
Auto-ignition temperature: Not Relevant
Decomposition temperature: Not Relevant
Viscosity: Not Relevant
Explosive properties: Not Relevant
Oxidizing properties: Not Relevant
Solid/gas flammability: Not Relevant

Other information

Substance Groups relevant properties Not Relevant
Miscibility: Not Relevant
Fat Solubility: Not Relevant
Conductivity: Not Relevant

10. Stability and reactivity

Reactivity

Stable under normal conditions

Chemical stability

Data not available.

Possibility of hazardous reactions

None.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

Toxicological Information of the Preparation :

Effet	Classification	Commentaires
Acute toxicity	Not classified	Criteria not met
Skin corrosion/irritation	Not classified	Criteria not met
Eye irritation	Not classified	Criteria not met
Respiratory sensitization	Not classified	Criteria not met

Germ cell mutagenicity	Not classified	Criteria not met
Carcinogenicity	Carc. 1A (H350)	May cause cancer by inhalation
Reproductive toxicity	Not classified	Criteria not met
Specific target organ toxicity (single exposure)	Not classified	Criteria not met
Specific target organ toxicity (repeated exposure)	STOT RE 1 (H372)	Causes damage to organs by repeated inhalation
Aspiration hazard	Not classified	Criteria not met

Toxicological information on main components of the mixture:

Substance	Paramètre	Result
Silica Sand (Quartz)	a) Acute toxicity (oral)	LD ₅₀ > 2000 mg/kg
	a) Acute toxicity (dermal)	LD ₅₀ > 2000 mg/kg
Titanium Dioxide (Dioxotitanium)	a) Acute toxicity (oral, rat)	LD ₅₀ > 5000 mg/kg
	a) Acute toxicity (dermal, rat)	LD ₅₀ > 2000 mg/m ³
	LC ₅₀ inhalation dust (rat, 4h)	> 6.82 mg/L
	LD ₅₀ dermal (rabbit)	> 10,000 mg/kg
Lithium Carbonate (Dilithium Carbonate)	a) Acute toxicity (oral, rat)	LD ₅₀ = 525 mg/kg body weight
	LC ₅₀ inhalation (rat, 4h)	> 2 mg/L
	LD ₅₀ dermal (rat)	> 3000 mg/kg body weight
	c) Serious eye damage/eye irritation	Irritant (OECD TG 405)

e) Germ cell mutagenicity	NOAEL oral (rat) > 90 mg/kg
g) Reproductive toxicity	NOAEL oral (rat) = 15 mg/kg
i) Specific target organ toxicity – repeated exposure	NOAEL oral = 6.43 mg/kg; NOAEL dermal = 64.3 mg/kg; NOAEL inhalation = 0.01 mg/L

Substance(s) listed on the IARC Monographs:

silica sand; quartz Group 1
titanium dioxide; Dioxititanium Group 2B

Substance(s) listed as OSHA Carcinogen(s):

silica sand; quartz
titanium dioxide; Dioxititanium

Substance(s) listed as NIOSH Carcinogen(s):

silica sand; quartz
titanium dioxide; Dioxititanium

Substance(s) listed on the NTP report on Carcinogens:

silica sand; quartz

12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

List of Eco-Toxicological properties of the components

Substance	Endpoint	Value
Titanium Dioxide	LC ₅₀ Fish (96h)	> 100 mg/L
	EC ₅₀ Algae (72h)	16 mg/L
	NOEC Algae (72h)	5600 mg/L
	EC ₅₀ Daphnia (48h)	> 100 mg/L
Lithium Carbonate	LC ₅₀ Fish (96h)	30.3 mg/L
	EC ₅₀ Daphnia (48h)	33.2 mg/L
	EC ₅₀ Algae (72h)	> 400 mg/L
	NOEC Fish (96h)	19.1 mg/L

NOEC Fish (21 days)	15.25 mg/L
NOEC Daphnia (48h)	20 mg/L
NOEC Daphnia (21 days)	9 mg/L
NOEC Algae (72h)	50 mg/L

Persistence and degradability

N.A

Bioaccumulative potential

N.A

Mobility in soil

N.A

Other adverse effects

N.A

13. Disposal considerations

Safe handling and methods for disposal

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses. Dispose of product according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

UN number

TDG-UN number: Not Applicable
 ADR-UN number: Not Applicable
 DOT-UN Number: Not Applicable
 IATA-Un number: Not Applicable
 IMDG-Un number: Not Applicable

UN proper shipping name

TDG-Shipping Name: Not Applicable
 ADR-Shipping Name: Not Applicable
 DOT-Proper Shipping Name: Not Applicable
 IATA-Technical name: Not Applicable
 IMDG-Technical name: Not Applicable

Transport hazard class(es)

TDG-Class: Not Applicable
 ADR-Class: Not Applicable

DOT-Hazard Class: Not Applicable
IATA-Class: Not Applicable
IMDG-Class: Not Applicable

Packing group

TDG-Packing Group: Not Applicable
ADR-Packing Group: Not Applicable
DOT Packing Group: Not Applicable
IATA-Packing group: Not Applicable
IMDG-Packing group: Not Applicable

Environmental hazards

Marine pollutant: No
Environmental Pollutant: Not Applicable
DOT-RQ: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not Applicable

Special precautions in connection with transport or conveyance

TDG:

Not Applicable

Department of Transportation (DOT):

Not Applicable

Road and Rail (ADR-RID) :

Not Applicable

Air (IATA) :

Not Applicable

Sea (IMDG) :

Not Applicable

15. Regulatory information

Canada - Federal regulations

DSL - Domestic Substances List

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

This product complies with NDSL inventory

NPRI - National Pollutant Release Inventory

États-Unis - Federal regulations

TSCA - Toxic Substances Control Act

The following components are listed in the TSCA inventory (Section 8b):

Silica sand (Quartz)

Titanium dioxide (Dioxotitanium)

Lithium carbonate (Dilithium carbonate)

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

No substances listed

Section 313 - Toxic chemical list:

lithium carbonate; Dilithium carbonate

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed

CAA - Clean Air Act

No substances listed

CWA - Clean Water Act

No substances listed

États-Unis - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65 :

Substance	Classification Prop 65
silica sand; quartz	Listed as carcinogen
titanium dioxide; Dioxotitanium	Listed as carcinogen
lithium carbonate; Dilithium carbonate	Listed as reproductive toxicant

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know :

silica sand; quartz
titanium dioxide; Dioxotitanium
lithium carbonate; Dilithium carbonate

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know :

silica sand; quartz
titanium dioxide; Dioxotitanium

New Jersey Right to know

Substance(s) listed under New Jersey Right to know :

silica sand; quartz
titanium dioxide; Dioxotitanium
lithium carbonate; Dilithium carbonate

16. Autres informations

Safety Data Sheet dated :17/07/2025 - version 0

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Code Description

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life

Code	Hazard class and hazard category	Description
A.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A
A.6/1A	Carc. 1A	Carcinogenicity, Category 1A
A.6/2	Carc. 2	Carcinogenicity, Category 2
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1
CAN-HAE/A3	Aquatic Acute 3	Acute (short-term) aquatic hazard - Category 3

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany.
LC50: Lethal concentration, for 50 percent of the test population.
LD50: Lethal dose, for 50 percent of the test population.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.
KSt: Explosion coefficient.