

Safety Data Sheet (SDS):

**InCal® XFT, InCal® 1T,  
InCal® 2T, InCal® 3T,  
InCal® XCL**



**SECTION 1 - IDENTIFICATION**

<p><b>Trade Name:</b> InCal® XFT InCal® 1T InCal® 2T InCal® 3T InCal® XCL</p>	<p><b>Product Identifier:</b> Stearic acid treated ground calcium carbonate</p>	<p><b>Other Synonyms:</b> Ag Lime, Mineral Filler, Stearic Acid Treated Ground Calcium Carbonate, Lime Dust, Calcium Carbonate, Calcite, Crushed Limestone, Treated Calcium Carbonate, Coated Calcium Carbonate, GCC</p>
<p><b>Recommended Use and Restriction on Use:</b> Functional additive in plastics, and construction materials.</p>		
<p><b>Manufacturer / Supplier Information:</b></p> <p>INCOA® Performance Minerals 7730 Deer River Rd Theodore, AL 36582</p> <p>For additional health, safety and regulatory information call: 1-251-308-4070</p>		

**SECTION II – HAZARD(S) IDENTIFICATION**

<p><b>Hazard Classification:</b> Category 2B – May cause reversible eye irritation after exposure to eyes. Category 2 – Skin Irritant</p> <p><b>Signal Word:</b> Warning</p> <p><b>Hazard Statements:</b> <i>Potential Health Effects</i> Category 2B – May cause reversible eye irritation after exposure to eyes Category 2 – May cause irritation to skin after prolonged exposure.</p>	
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Potential Environmental Effects

This material is alkaline and will increase the pH of soils or water if released into the environment.

Precautionary Statements

- Do not handle this material until carefully reading and understanding the risks associated with the use of this product.
- Wear respiratory protection following this SDS, NIOSH guidelines and other applicable regulations. Wear eye protection and protective gloves while handling this material.
- Avoid creating dust in use, handling, or storage of this material. Provide adequate ventilation to reduce risk of health effects.
- Do not breathe in dust.
- Do not eat, drink, or smoke while handling this product.
- Thoroughly wash skin and contaminated clothing after all use of this product.
- Dispose of product in accordance with local, regional, national and/or international regulations.
- Refer to Section XI for details of specific health effects of components of Stearic acid treated ground calcium carbonate.

**SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>Chemical Formula</b>	<b>CAS REGISTRY NO</b>	<b>% by weight (approx.)</b>
Calcium Carbonate	CaCO <sub>3</sub>	471-34-1	97.5-99 %
Stearic Acid	C <sub>18</sub> H <sub>36</sub> O <sub>2</sub>	57-11-4	1- 2.5 %

**SECTION IV – FIRST AID MEASURES**

<b>INGESTION</b>	In the case of gastrointestinal discomfort contact emergency personnel services immediately for medical assistance. DO NOT induce vomiting or give anything by mouth unless instructed by a medical professional to do so.
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<b>INHALATION</b>	Remove person from dusty location and into fresh air and keep comfortable. Contact emergency personnel services immediately for medical assistance if breathing is labored. If breathing has stopped, provide artificial respiration.
<b>EYES</b>	Rinse copiously and carefully with clean water or eye wash solution for several minutes to remove dust or rock fragments. Pull back eyelid while flushing to ensure that the dust is fully removed from the eyes. Remove contact lenses if possible and contact a medical professional to confirm the removal of all dust or powder from eyes.
<b>SKIN</b>	Brush off as much of the stearic acid ground calcium carbonate as possible from the skin and clothing. Wash exposed areas with large quantities of water. If irritation or burning persists, seek medical attention.
<b>MEDICAL CONDITIONS</b>	Contact may aggravate pre-existing disorders of the respiratory system, the skin, the gastrointestinal tract and eyes.

## SECTION V: FIREFIGHTING MEASURES

<b>FIRE HAZARDS</b>	Stearic acid ground calcium carbonate is neither combustible nor flammable. Stearic acid ground calcium carbonate is not considered to be an explosion hazard.
<b>SUITABLE EXTINGUISHING MEDIA</b>	Use fire extinguisher appropriate for the materials involved in the surrounding fire.
<b>FIRE FIGHTING INSTRUCTIONS</b>	Keep personnel away from and upwind of fire. Avoid inhalation of dust. Under high temperatures, calcium carbonate releases carbon dioxide. Wear full fire-fighting gear and respiratory protection.
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Not applicable.

## SECTION VI: ACCIDENTAL RELEASE MEASURES

<b>SPILL/LEAK PROCEDURES</b>	Always wear proper personal protective equipment. Keep acids, cleaning fluids and other incompatible materials away from the spill site.
<b>SMALL SPILLS</b>	Use dry collection methods including filtration vacuuming (with a HEPA filtered vacuum) or shoveling spilled material after wetting with water to reduce dust. Avoid creating dust while removing the spilled material. DO NOT use compressed air to remove material. Collect and store the spilled materials in dry and sealed plastic or plastic lined metal or fiber containers.
<b>LARGE SPILLS</b>	Use dry collection methods including filtration vacuuming (with a HEPA filtered vacuum). Remove personnel from downwind regions to reduce the risk of dust exposure. Avoid creating dust while removing the spilled material. DO NOT use compressed air to remove material. Collect and store the spilled materials in dry and sealed plastic or plastic lined metal or fiber containers.
<b>CONTAINMENT</b>	To contain the impact of the spill, minimize dust generation and install spill dams at sewer or waterway entrance points.
<b>CLEAN-UP</b>	Residual material can be washed away with large quantities of water. Equipment used during clean up can be washed with a detergent/water solution or a mild vinegar/water solution. Dispose of all collected product in accordance with all local, state and federal regulations.
This product is not subject to the reporting requirements of SARA Title III Section 313 and 40 CFR 372.	

## SECTION VII: HANDLING & STORAGE

<b>HANDLING</b>	Keep in tightly closed plastic or plastic-lined paper or metal containers protected from sources of physical damage. Avoid skin contact and breathing dust.
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<b>STORAGE</b>	Store in a cool, dry and well-ventilated location. Do not store near acids, cleaning fluids or other incompatible materials. Keep away from moisture. Store in tightly closed plastic or plastic-lined paper or metal containers.
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**SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ingredient	OSHA PEL (mg/m <sup>3</sup> )	Cal/OSHA PEL	NIOSH REL (mg/m <sup>3</sup> )	ACGIH TLV-TWA (mg/m <sup>3</sup> )
Ground calcium carbonate	15 (total dust) 5 (respirable)	15 (total dust) 5 (respirable)	10 (total dust) 5 (respirable)	10 (total dust) 5 (respirable)
Stearic Acid	none	none	none	none

<b>ENGINEERING CONTROLS</b>	Provide adequate ventilation to maintain PELs.
<b>RESPIRATORY PROTECTION</b>	Use NIOSH approved respirators when airborne concentration exceeds PELs.
<b>SKIN PROTECTION</b>	Wear appropriate footwear and clothing to prevent skin contact. Clothing should fully cover arms and legs. Wear gloves.
<b>EYE PROTECTION</b>	Use safety glasses with side shields or safety goggles.
<b>OTHER</b>	Safety showers and eye wash fountains should be available.

**SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b>	Very fine white powder
<b>ODOR</b>	Odorless
<b>PHYSICAL STATE</b>	Solid
<b>MELTING POINT (°C/°F)</b>	N/A
<b>BOILING POINT (°C/°F)</b>	N/A

<b>SPECIFIC GRAVITY (g/mL)</b>	2.2-2.5
<b>VAPOR PRESSURE (mm Hg)</b>	N/A
<b>VAPOR DENSITY (g/m<sup>3</sup>)</b>	N/A
<b>EVAPORATION RATE</b>	N/A
<b>pH (@ 25°C/77°F)</b>	8-9
<b>SOLUBILITY IN WATER</b>	Not readily soluble in water

## SECTION X: STABILITY AND REACTIVITY

<b>STABILITY</b>	Chemically stable but will react vigorously with acids to form carbon dioxide gas. Ignites on contact with fluorine gas.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Stearic acid ground calcium carbonate decomposes at temperatures at or above 848 °C to form calcium oxide solid and carbon dioxide gas. Calcium oxide solid is water reactive and generates a highly basic solution and heat when exposed to water.
<b>HAZARDOUS POLYMERIZATION</b>	N/A
<b>INCOMPATIBILITY / CONDITIONS TO AVOID</b>	Contact with strong oxidizers including boron trifluoride (BF <sub>3</sub> ), manganese trifluoride (MnF <sub>3</sub> ), oxygen difluoride (OF <sub>2</sub> ) and fluorine (F <sub>2</sub> ) may cause fire and explosions. Contact with acids generates a vigorous reaction generating heat and carbon dioxide gas.

## SECTION XI: TOXICOLOGICAL INFORMATION

<p><b>PRIMARY ROUTES OF EXPOSURE:</b></p> <ul style="list-style-type: none"> <li>• Inhalation</li> <li>• Skin</li> <li>• Ingestion</li> </ul>
<p>Ground calcium carbonate has an LD50 of 6450 mg/kg, as determined in rat studies by oral ingestion. Stearic acid has an LD50 &lt; 5000 mg/kg in rabbit studies. Neither stearic acid or ground calcium carbonate are listed by OSHA or IARC as a carcinogen.</p>

<b>Acute Toxicity</b>	Not classified
<b>Skin Corrosion/ Irritation</b>	Not classified
<b>Critical Eye Damage / Irritation</b>	May cause eye injury due to abrasion of eye and mechanical irritation.
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure)</b>	Not classified
<b>Aspiration Hazard</b>	Not classified
<b>Symptoms/Injuries After Inhalation:</b> May cause lung irritation and rhinitis.	
<b>Symptoms/Injuries After Ingestion:</b> Ingestion of small quantities of stearic acid ground calcium carbonate is not known to be harmful however large quantities can cause intestinal distress.	
<b>Symptoms/Injuries After Skin Contact:</b> May cause skin irritation and dryness.	
<b>Symptoms/Injuries After Eye Contact:</b> Airborne dust in the eyes may create immediate or delayed irritation or inflammation. Eye exposure requires immediate medical attention to prevent permanent eye damage.	

## SECTION XII: ECOLOGICAL INFORMATION

<b>ECOTOXICITY</b>	Stearic acid ground calcium carbonate creates an elevated pH when dissolved in water. Its introduction into natural waters may create ecotoxic conditions to some marine organisms and plant life.
<b>ENVIRONMENTAL FATE</b>	Stearic acid ground calcium carbonate is not known to bioaccumulate nor does it create food chain toxicity.

### SECTION XIII: DISPOSAL CONSIDERATIONS

Dispose of stearic acid ground calcium carbonate as directed by local, state and federal laws and regulations. Unmixed with other components, stearic acid ground calcium carbonate does not meet the definition of a hazardous waste as legislated under the U.S. Resource Conservation and Recovery Act (RCRA).

### SECTION XIV: TRANSPORTATION INFORMATION

Stearic acid ground calcium carbonate is not classified as a hazardous material by the US DOT and is not regulated by the Transportation of Dangerous Goods (TDG) act when shipped by any transportation mode.


### SECTION XV: REGULATORY INFORMATION

<p><b>U.S. EPA Regulations</b></p>	<p>RCRA Hazardous Waste Classification (40 CFR 261): <b>NOT LISTED</b>  RCRA Hazardous Waste Number (40 CFR 261.33): <b>NOT CLASSIFIED</b>  CERCLA Hazardous Substance (40 CFR 302.4): <b>UNLISTED SPECIFIC PER RCRA, Sec.3001; CWA, Sec. 311(b)(4); CWA, Sec 307(a), CAA Sec. 112</b>  CERCLA Reportable Quantity (RQ): <b>NOT LISTED</b>  SARA 311/312 Codes: <b>NOT LISTED</b>  SARA Toxic Chemical (40 CFR 372.65): <b>NOT LISTED</b>  SARA EHS (40 CFR 355): <b>NOT LISTED</b>  SARA TPQ: <b>NOT LISTED</b>  All ingredients listed on the US EPA TSCA Inventory List</p>
<p><b>OSHA Regulations</b></p>	<p>Air Contaminant (29 CFR 1910.1000), Table Z-1, Z-1-A:  Respirable 5 mg/m<sup>3</sup> TWA-8  OSHA Specifically Regulated Substances (29 CFR 1910): <b>NOT LISTED</b></p>
<p><b>State Regulations</b></p>	<p>Some components found in this product may contain trace levels of elements such as lead, arsenic and cadmium that are regulated under California Proposition 65 and other states regulations.</p>



<b>Canada</b>	WHMIS Classification: <b>Not Classified</b> Canada NDSL: <b>NOT LISTED</b>
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**SECTION XVI: OTHER INFORMATION**

<b>PREPARED BY</b>	INCOA® Performance Minerals 7730 Deer River Rd Theodore, AL 36582
<b>DATE PREPARED</b>	May 16, 2022
<b>NFPA HAZARD CLASS</b>	Health:1 Flammability:0 Reactivity:0 
<b>HMIS HAZARD CLASS</b>	Health:1 Flammability:0 Reactivity :0 Specific Hazard: ALK
<b>ABBREVIATIONS</b>	CERCLA – Comprehensive Environmental Response, Compensation and Liability Act CFR – Code of Federal Regulations DOT – Department of Transportation EPA – Environmental Protection Agency FDA – Food and Drug Administration IARC – International Agency for Research on Cancer N/A – Not Applicable OEL – Occupation Exposure Limit OSHA – Occupational Safety Health Administration PEL – Permissible Exposure Limit RCRA - Resource Conservation and Recovery Act REL – Reference Exposure Level SARA – Superfund Amendments and Reauthorization Act TLV – Threshold Limit Value TWA – Time Weighted Average